WELLS' AUTOMOTIVE WIRING MANUAL

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WELLS'

Automotive Wiring Manual

The Original and Official Collection of Blue Print Wiring Diagrams

Contains Correct Wiring Diagrams Covering the Starting, Lighting and Ignition Wiring of All Standard American Motor Cars From 1911 to the Present Time

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By HARRY LORIN WELLS

Seventh Edition

PUBLISHED BY

AUTOMOTIVE PUBLISHING COMPANY

CHICAGO, U. S. A.

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AUG 28 1922

To the Auto-Electrician

WELLS' Automotive Wiring Manual in its present form represents the result of six years' constant effort to give the auto-electrician a complete collection of accurate and easily used diagrams covering the starting, lighting and ignition wiring of cars from those having the first applications of such equipment down to the present time.

Each diagram has been especially drawn from reliable factory sources, with the units and connections laid out as they are placed on the cars. They are not schematic diagrams nor circuit diagrams, but are real shop-work layouts designed to save time and avoid confusion. Their clearness and accuracy, combined with their being in blue print form to resist the attacks of grease and dirt, makes the Automotive Wiring Manual an invaluable working tool for every automotive repair shop.

All diagrams are arranged: First, alphabetically according to the name of the car; second, under the name of the car all the diagrams for that one make are placed in order according to the year in which used; finally, under any one year, you will find that car's diagrams arranged according to the models produced. Thus, with every diagram placed strictly according to make, year, and model, they are as easy to find as words in the dictionary and the necessity of looking in an index has been eliminated by making the entire volume its own index.

The advantages of having all diagrams drawn in a uniform size and style will be immediately apparent to the electrician. The advantages of specially drawn layouts with every line and circuit clear and distinct and with all necessary information on the one sheet will be evident as soon as the Manual is put to work in your shop.

HARRY LORIN WELLS

AUG 28 1922

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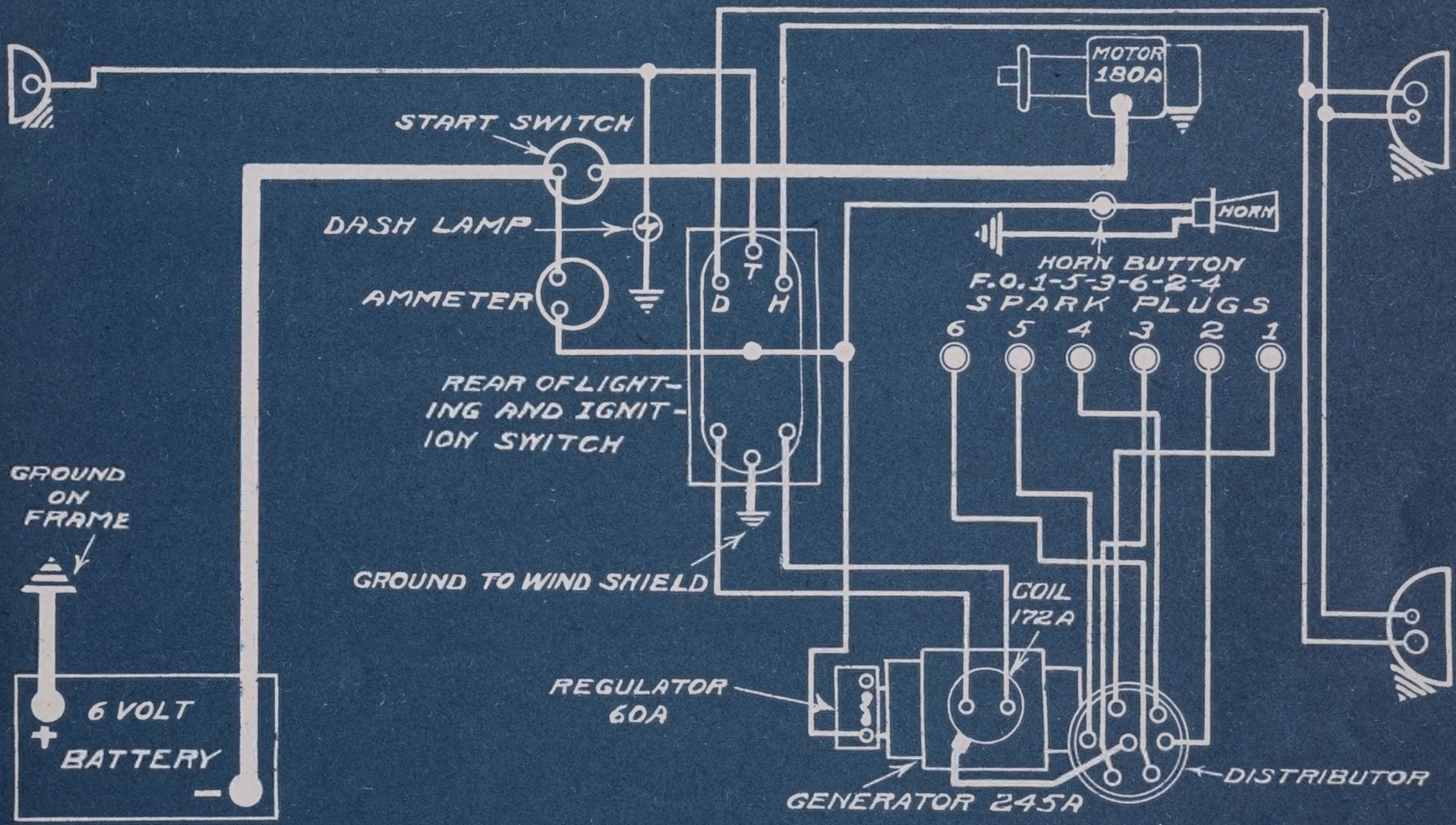
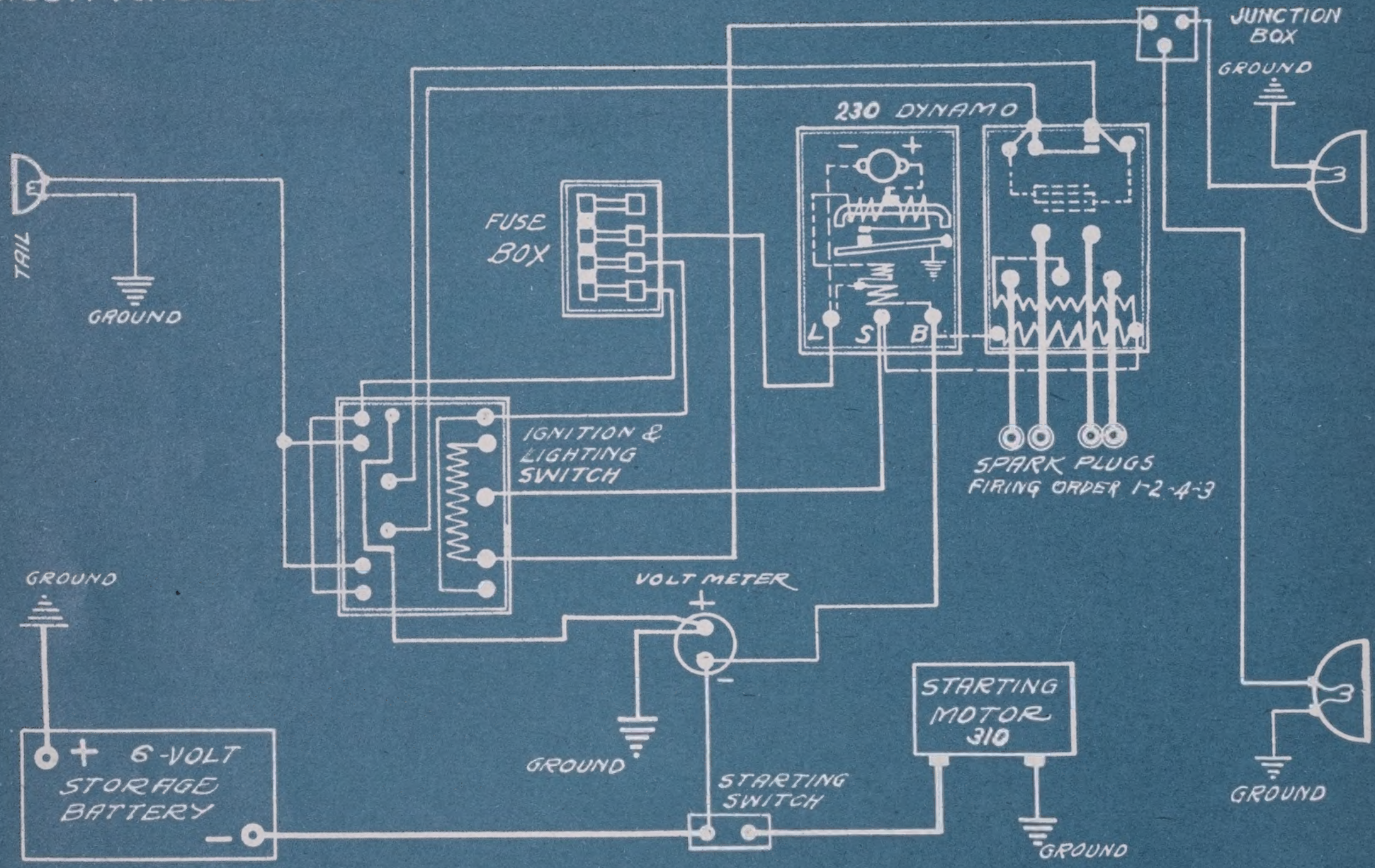
ABBOTT-DETROIT "6-44" 1916-17

REMY SYSTEM



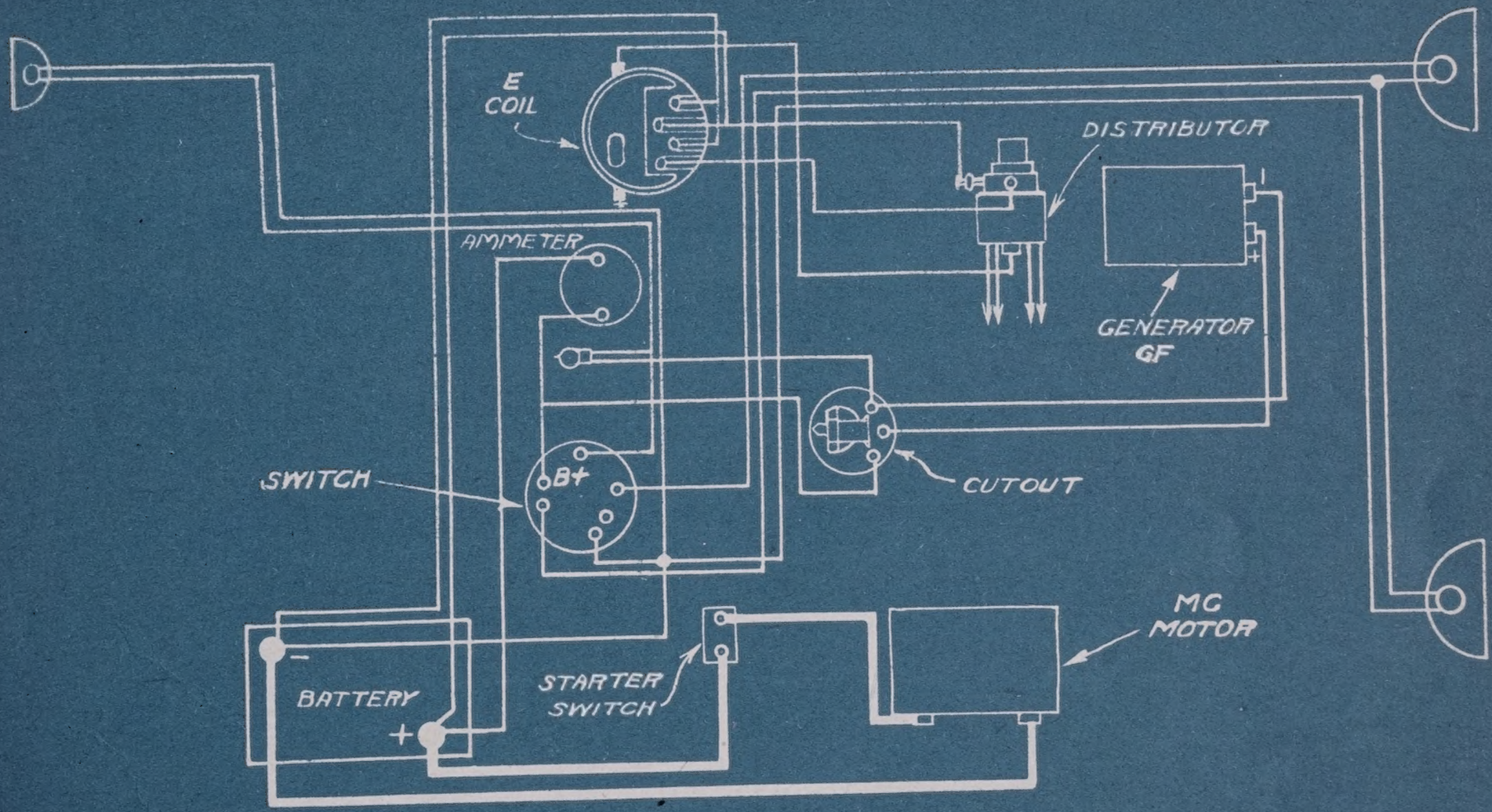
ALLEN 1914-15 "34" "33"
WESTINGHOUSE SYSTEM



ALLEN "35" 1914-15

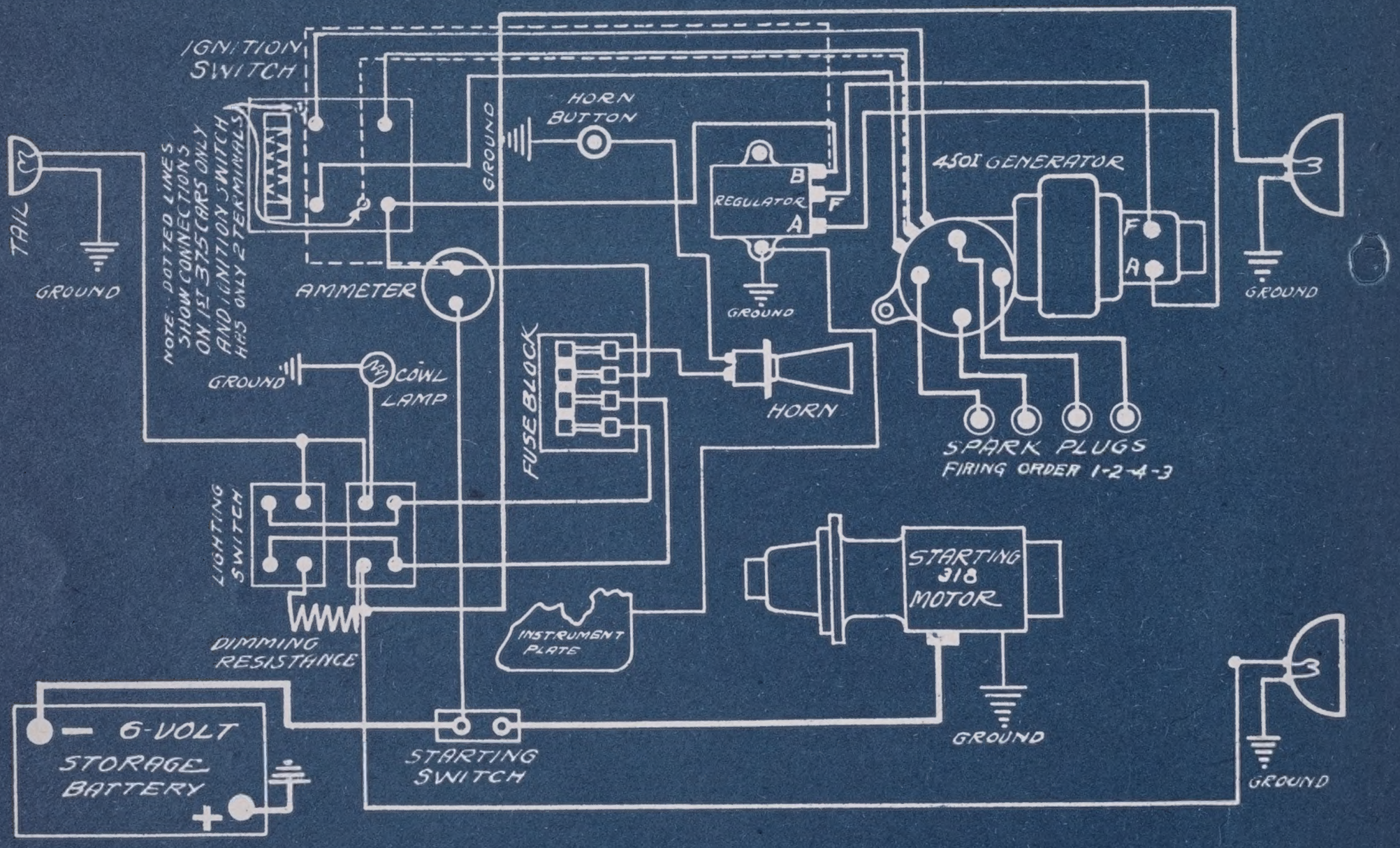
AUTO-LITE SYSTEM

CONNECTICUT IGN.

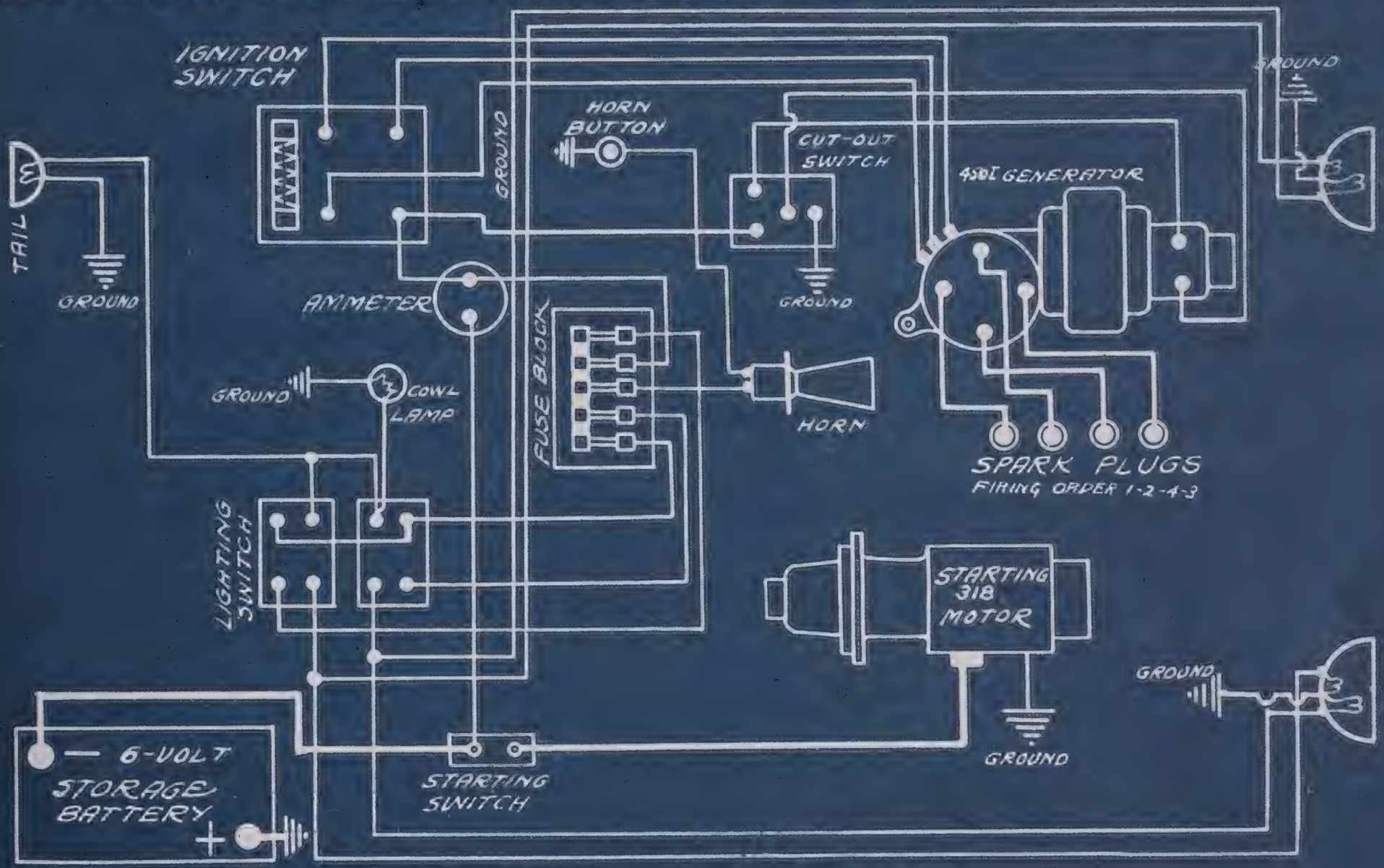


ALLEN 1916 "37"

WESTINGHOUSE SYSTEM WITH DIMMING RESISTANCE

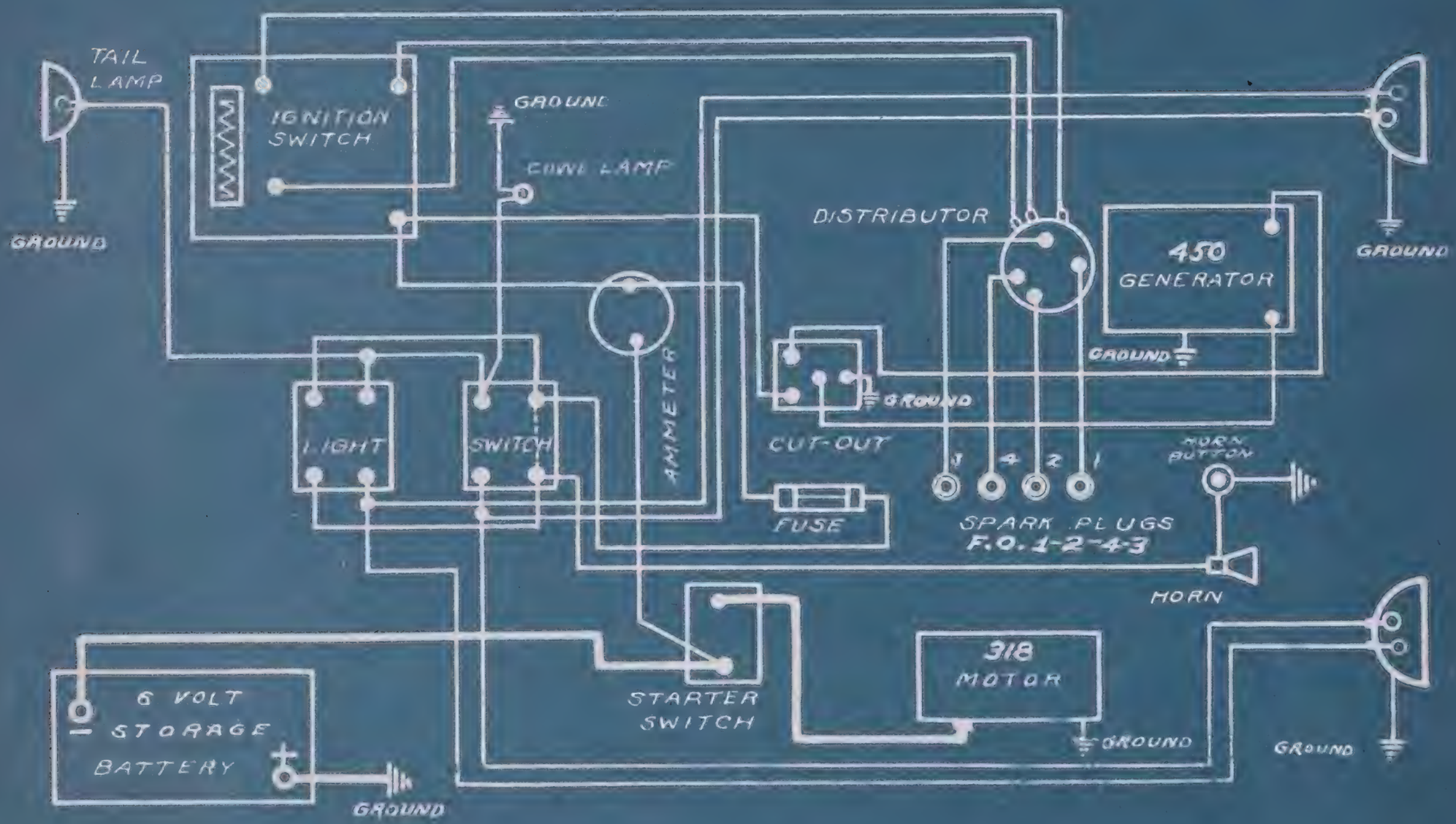


ALLEN 1916-17 "37"
WESTINGHOUSE SYSTEM WITH DIMMER BULBS



ALLEN 1917 CLASSIC MODEL

WESTINGHOUSE SYSTEM



ALLEN "41" 1918

AUTO-LITE SYSTEM

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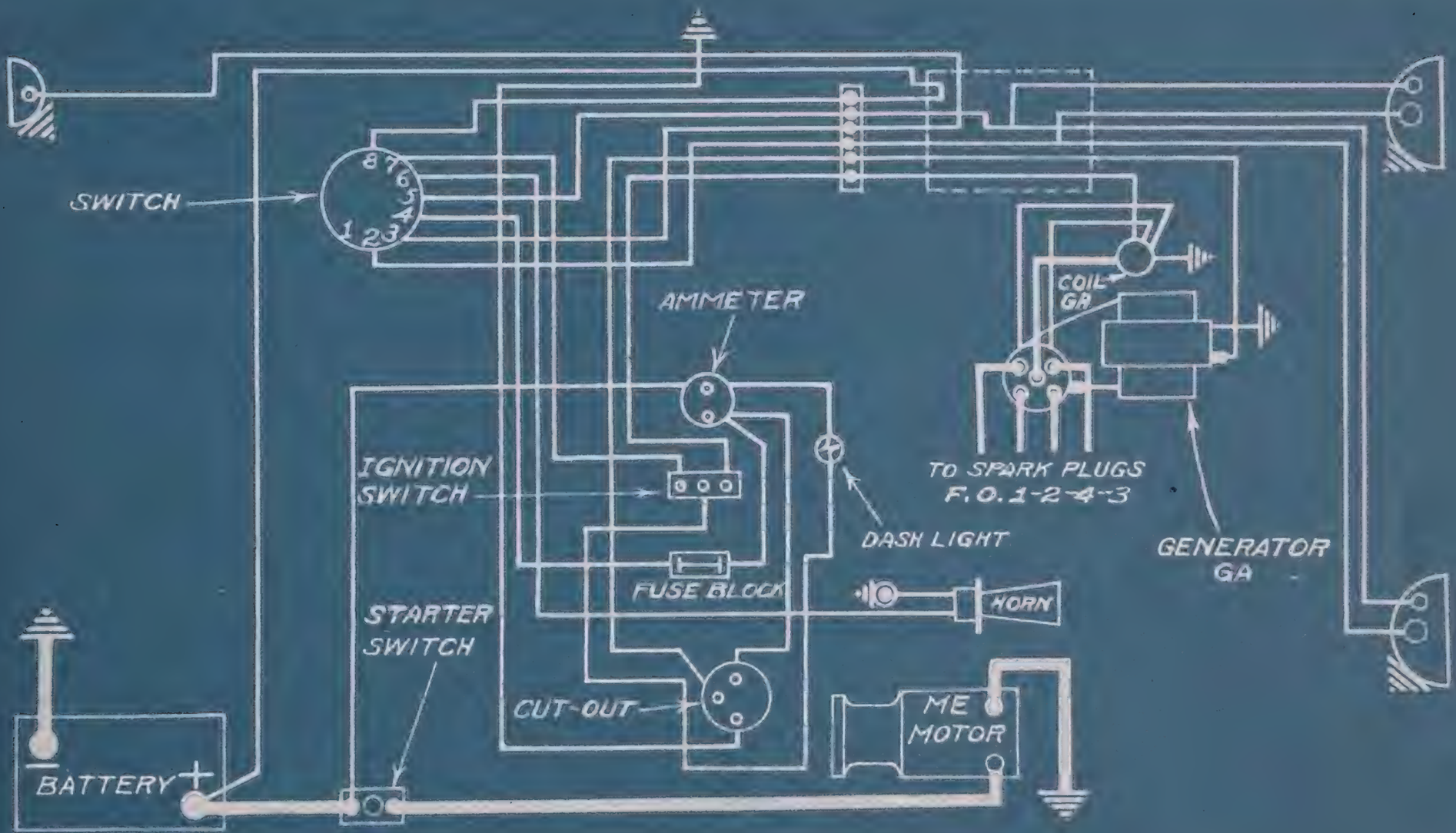

ALLEN "43" 1919-20

AUTO-LITE SYSTEM

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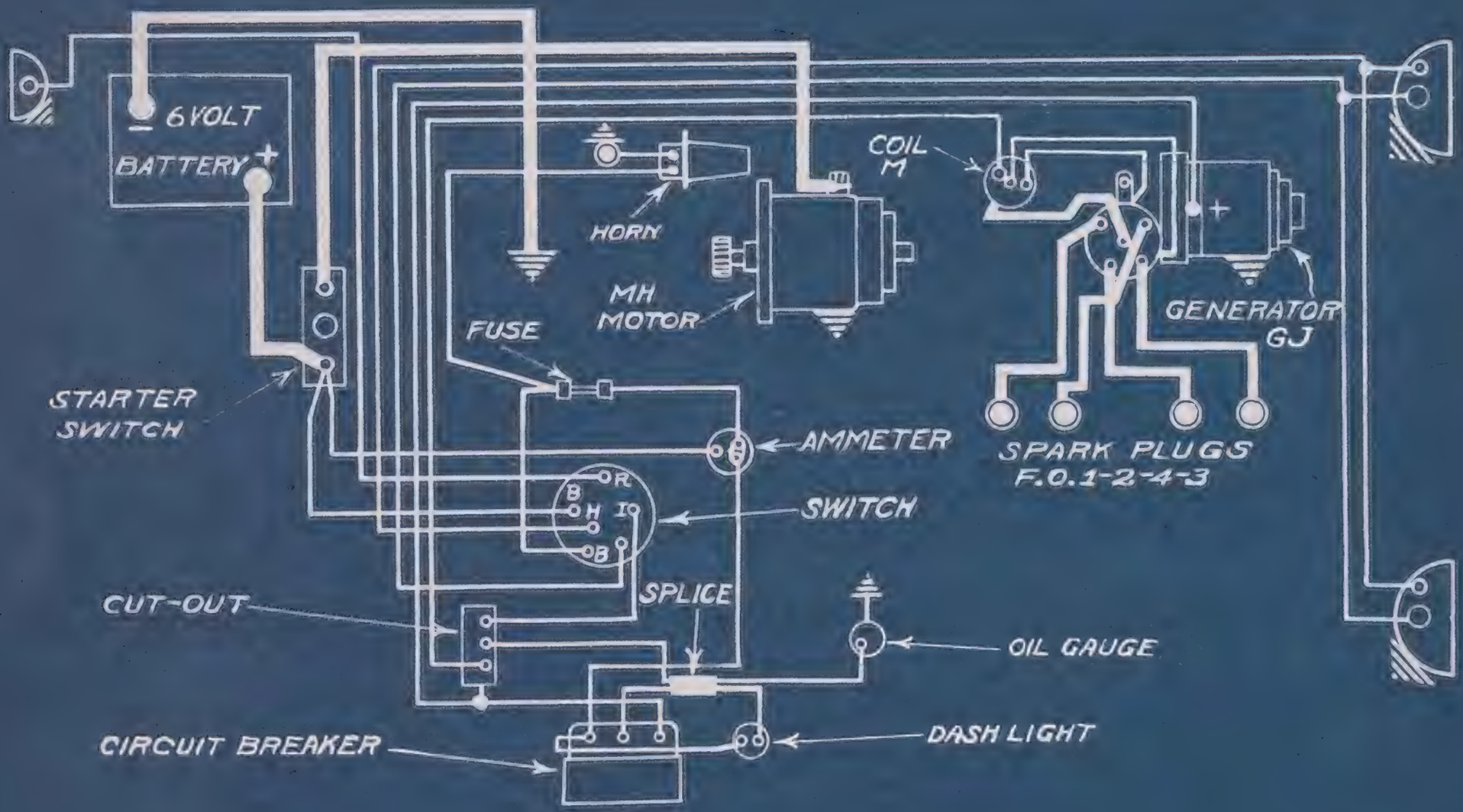
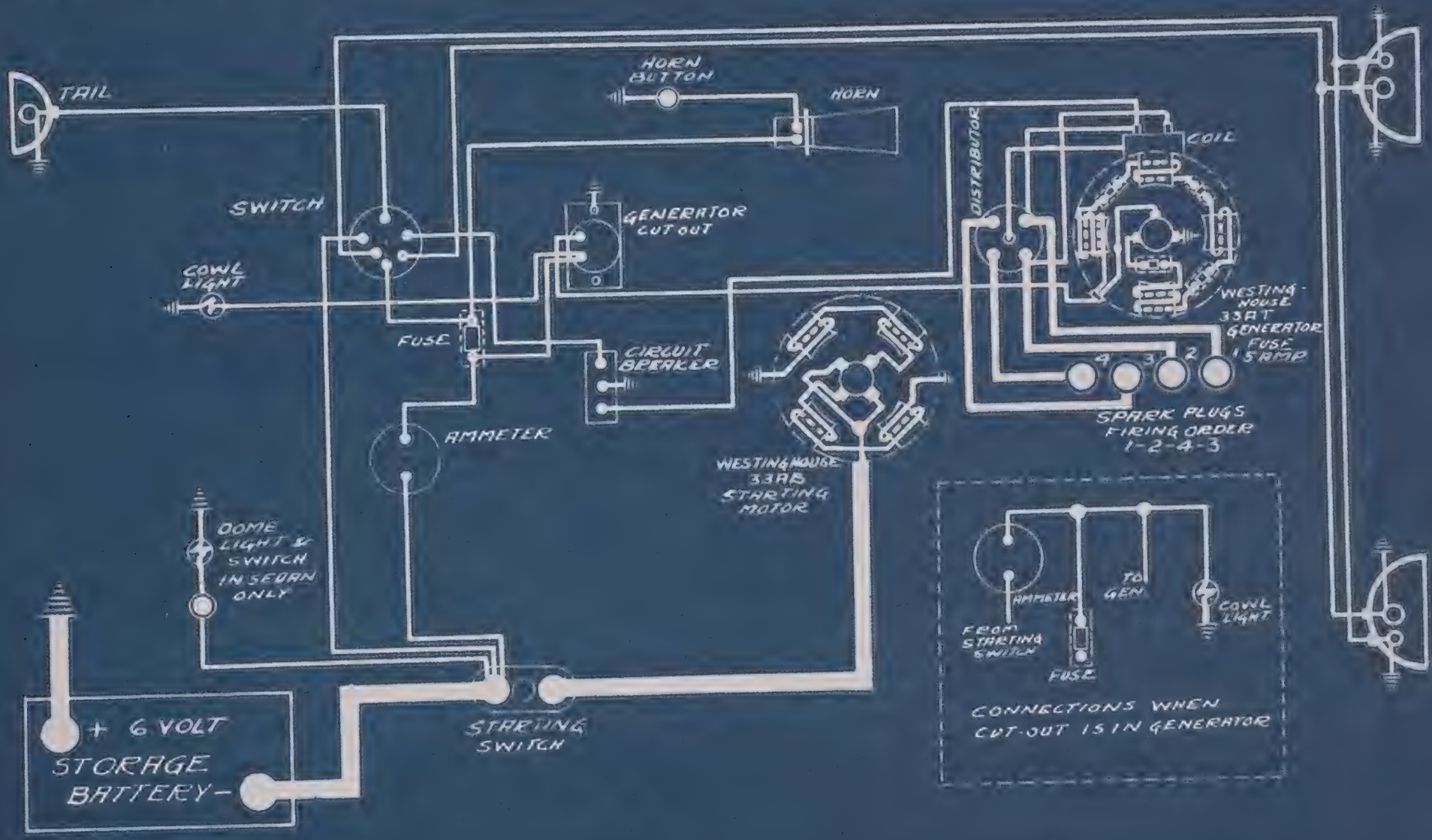
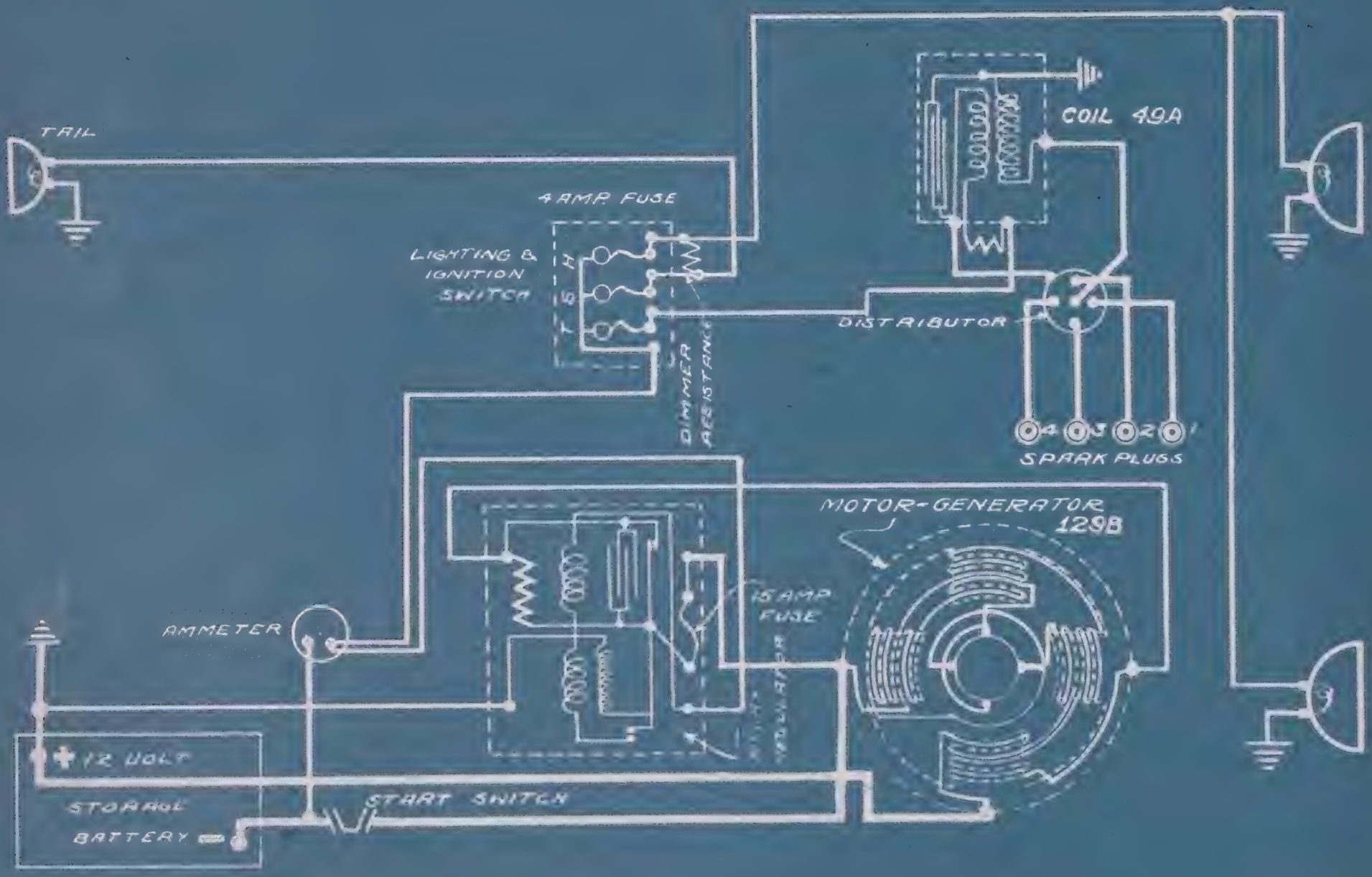


ALLEN "43" 1920 1921

WESTINGHOUSE SYSTEM
CONNECTICUT IGNITION



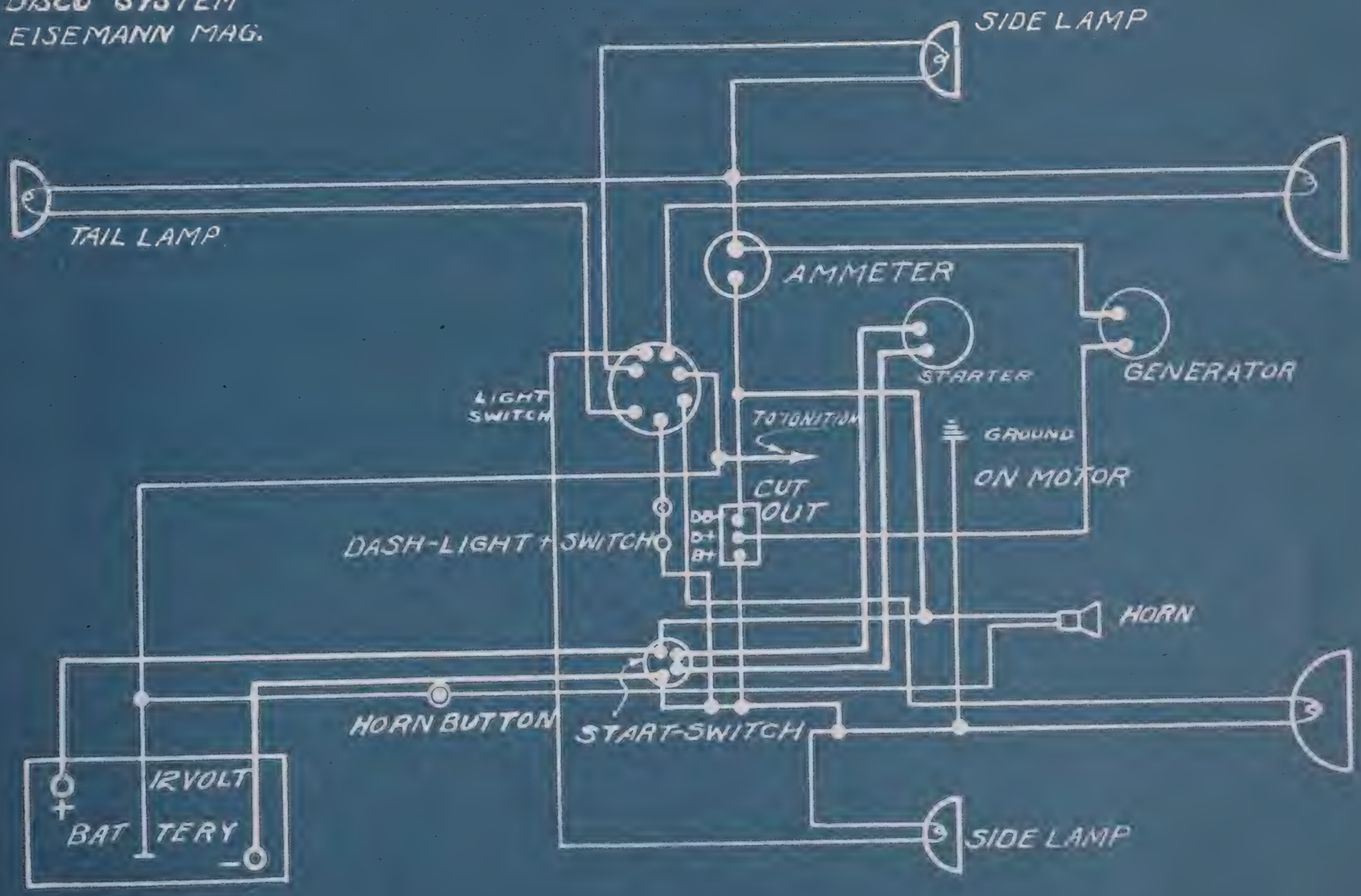
ALTER 1915
REMY SYSTEM



AMERICAN 1914

DISCO SYSTEM

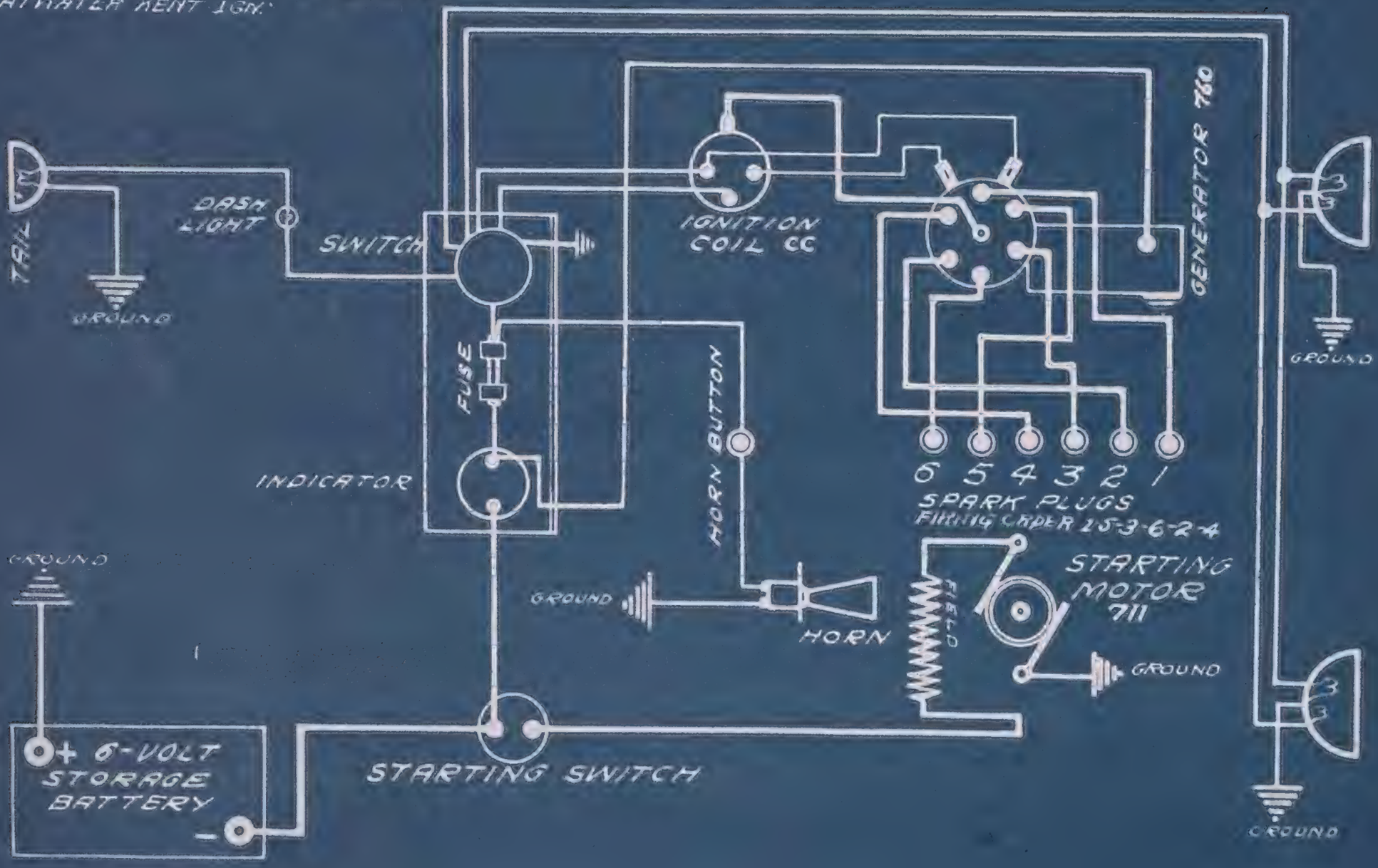
EISEMANN MAG.



AMERICAN 1918 "B"

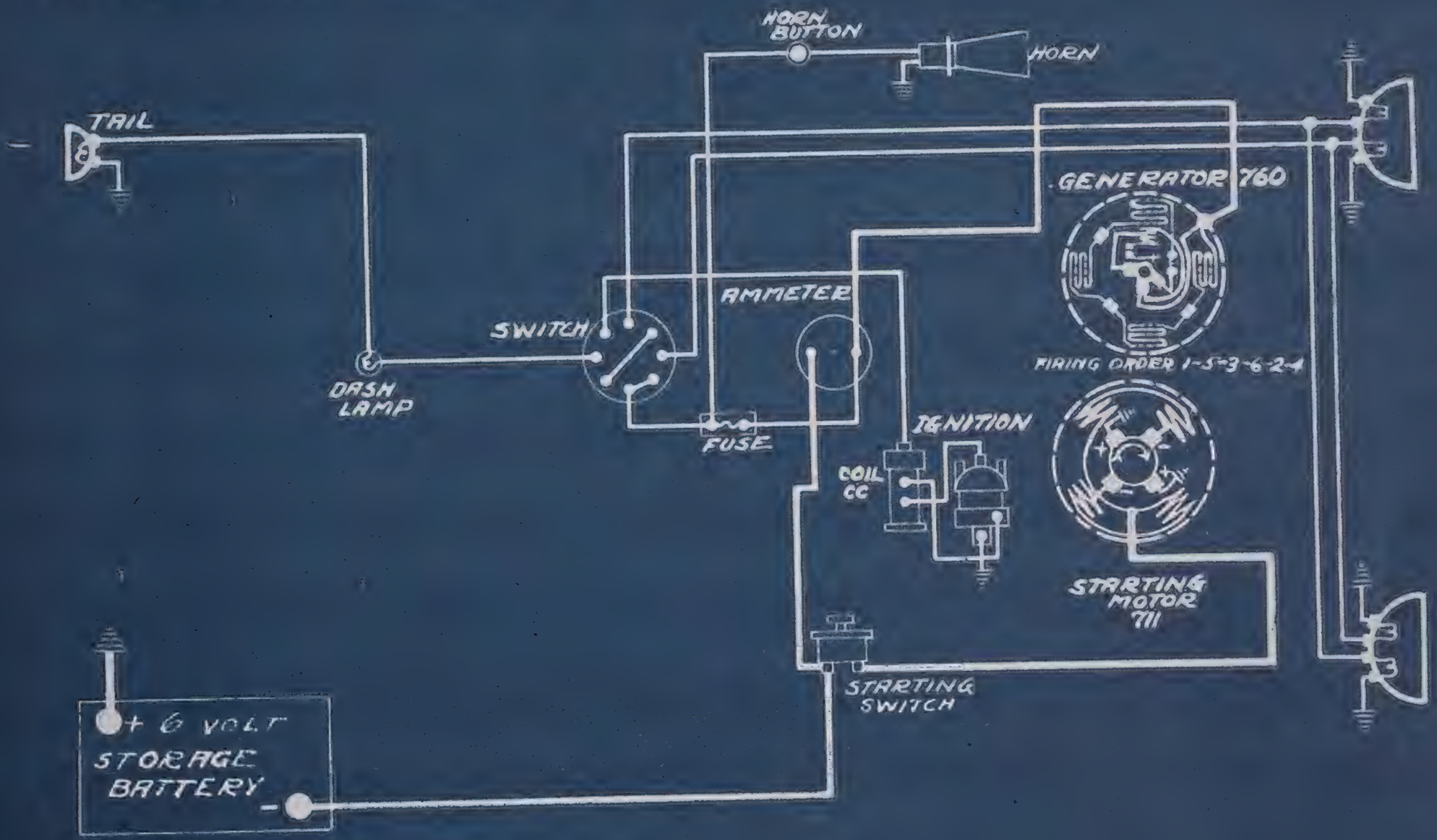
WESTINGHOUSE SYSTEM

ATWATER KENT IGN.



AMERICAN MODEL "B" 1919

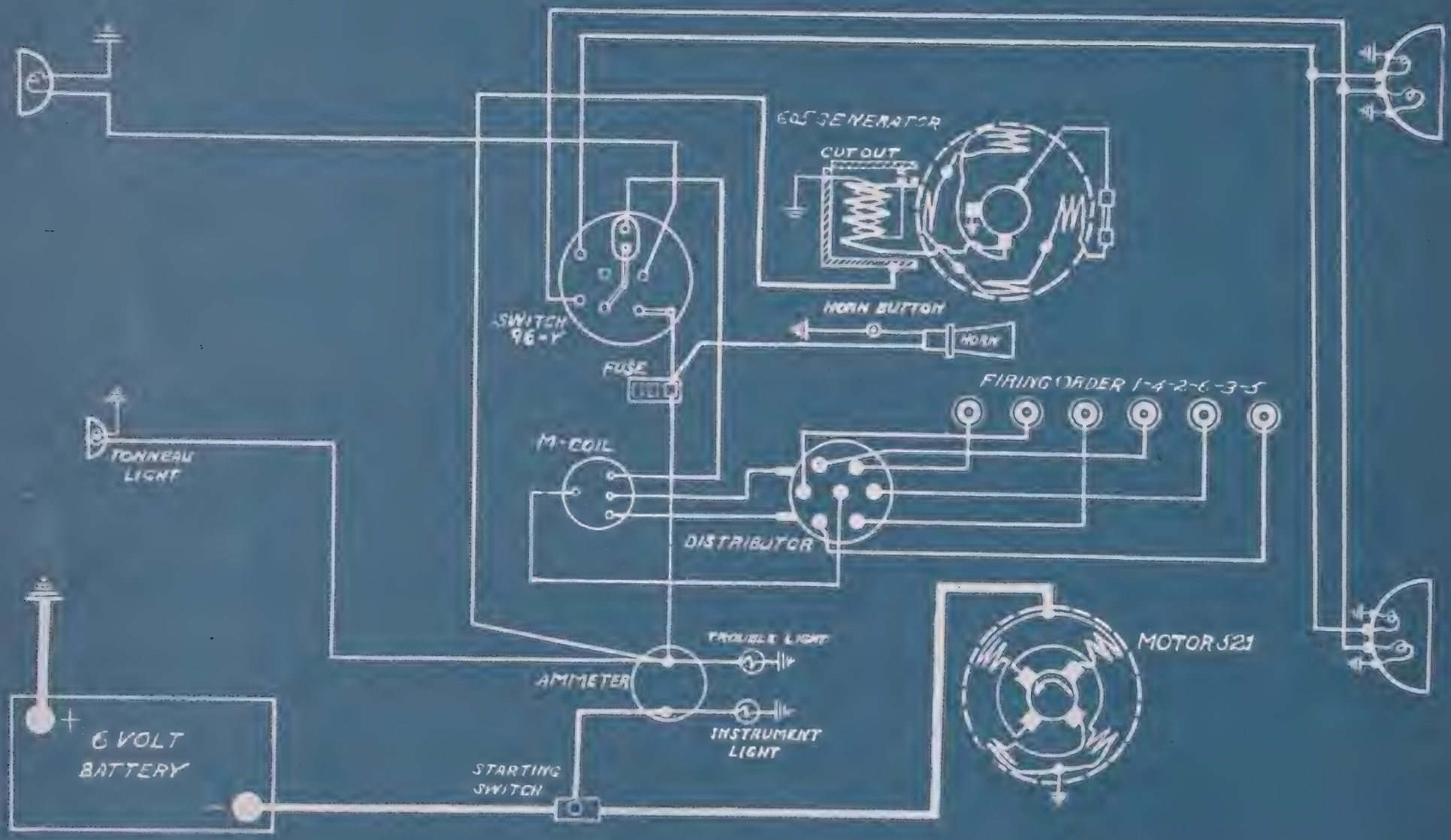
WESTINGHOUSE STARTING & LIGHTING SYSTEM
ATWATER KENT IGNITION



AMERICAN MODEL "C-6" 1920-1921-1922

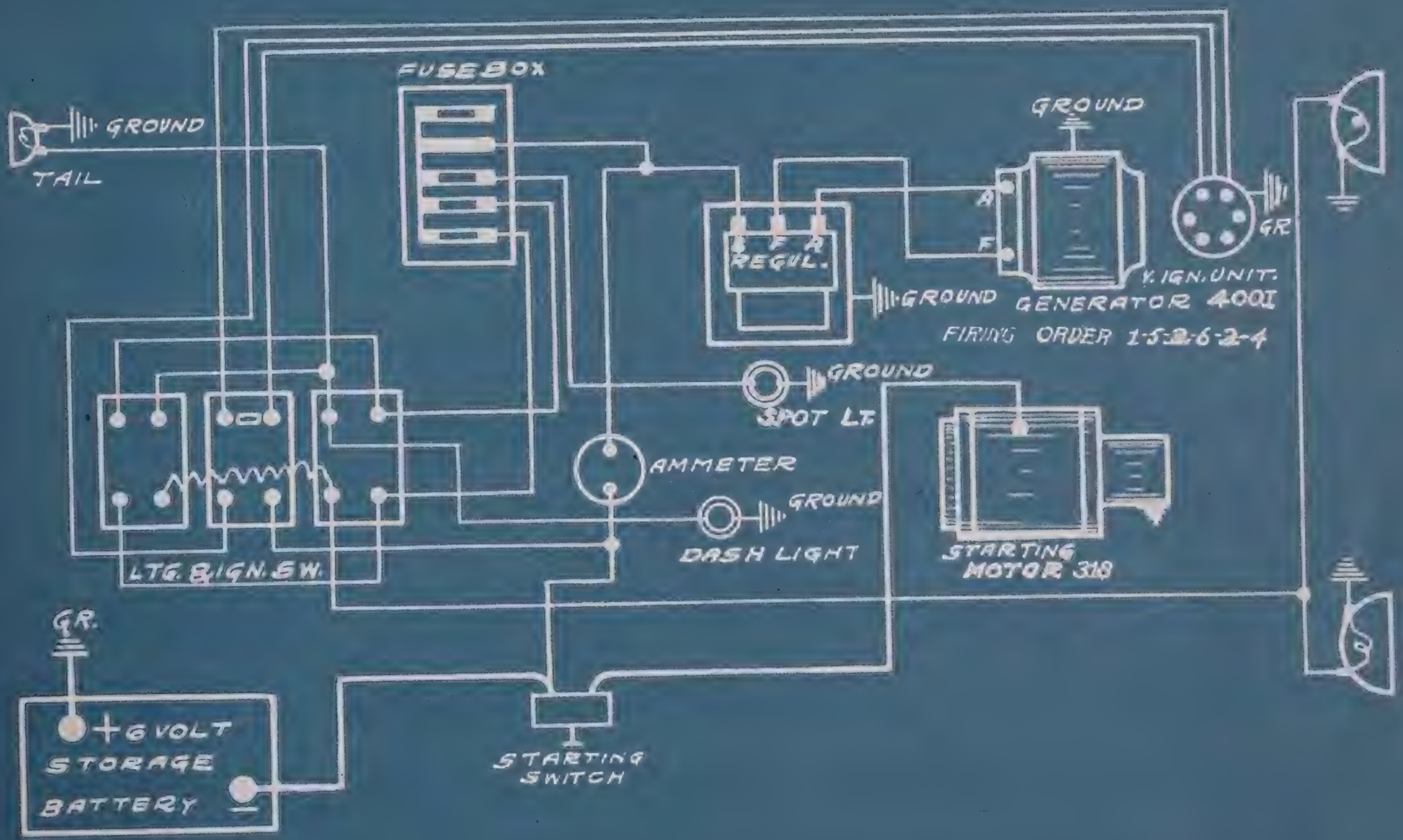
GRAY & DAVIS SYSTEM

CONN. IGN.



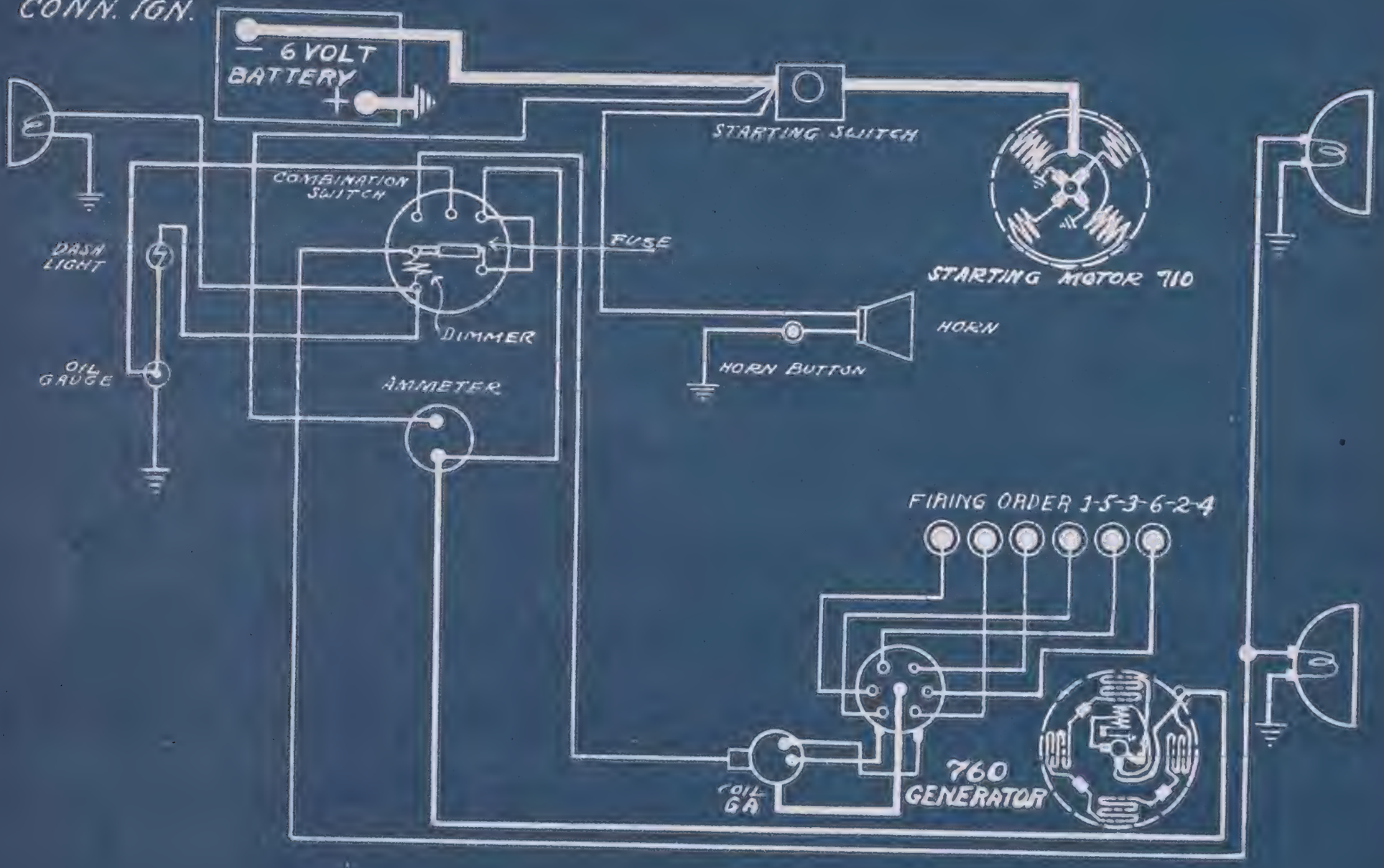
ANDERSON 1916 100A-B

WESTINGHOUSE SYSTEM



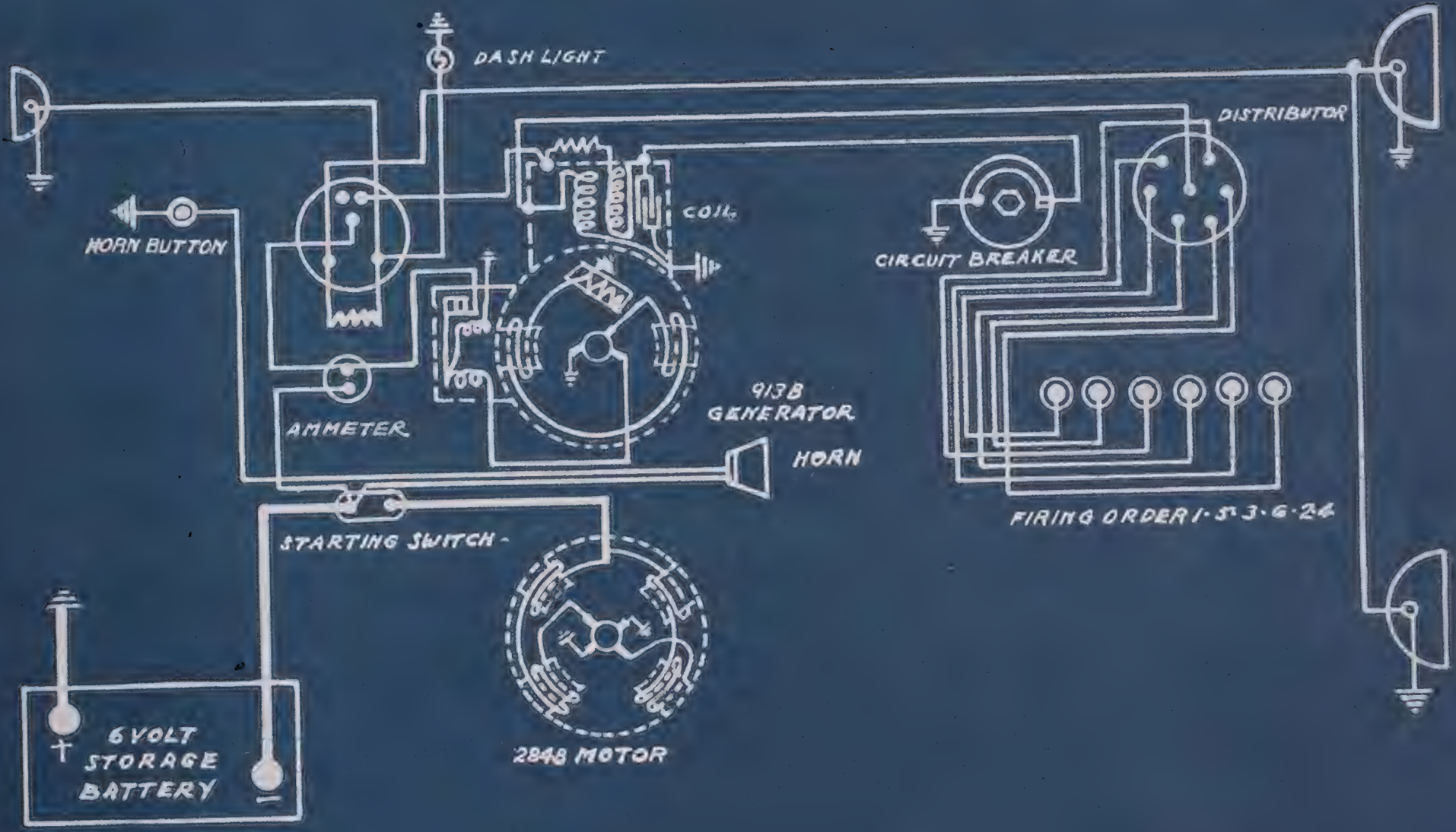
ANDERSON "20" 1919

WESTINGHOUSE SYSTEM
CONN. IGN.



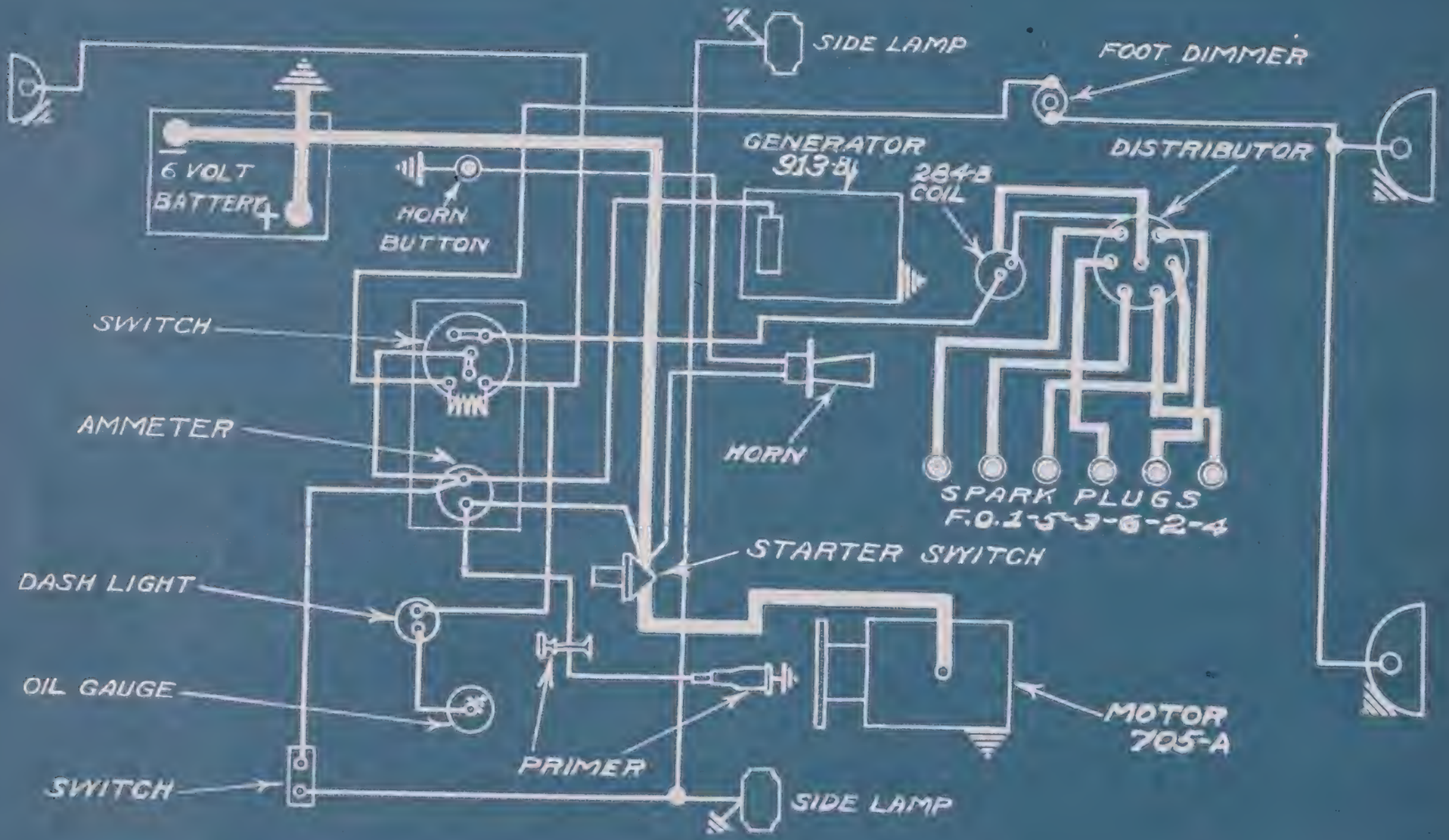
ANDERSON "6" 1920-1921

REMY SYSTEM

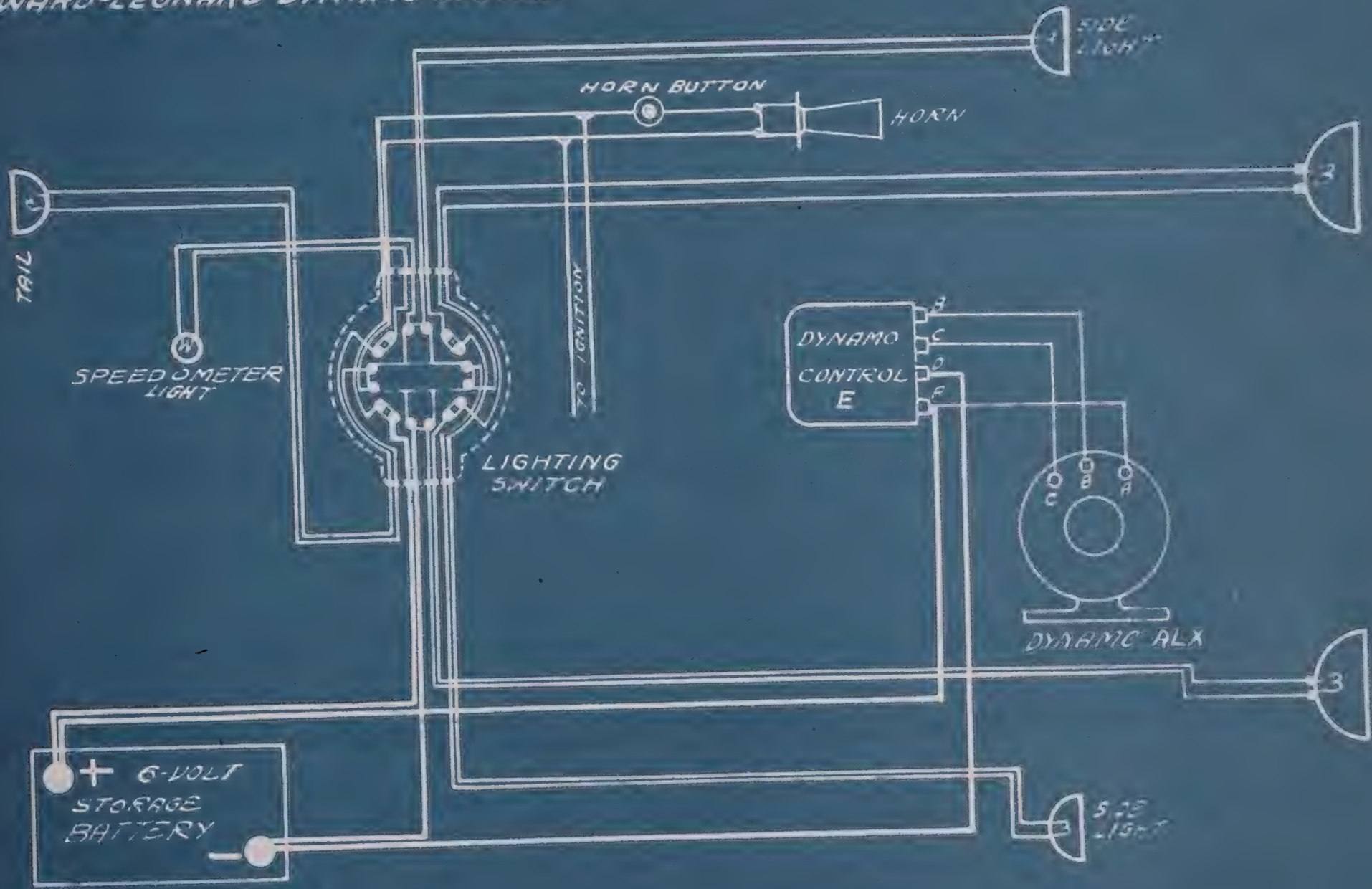


ANDERSON "SERIES 40" 1921-22

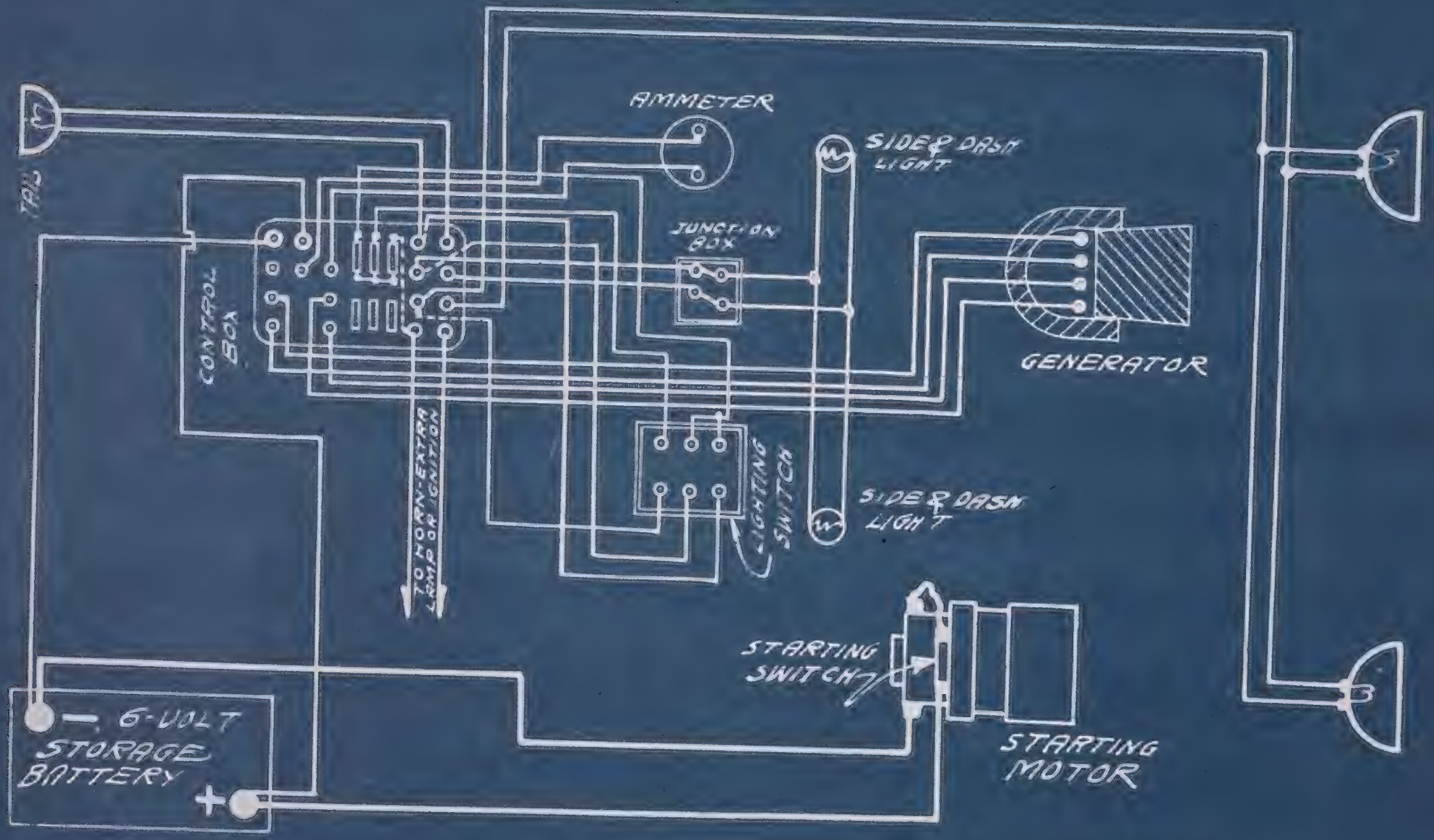
REMY SYSTEM



APPERSON 1913
WARD-LEONARD DYNAMO SYSTEM

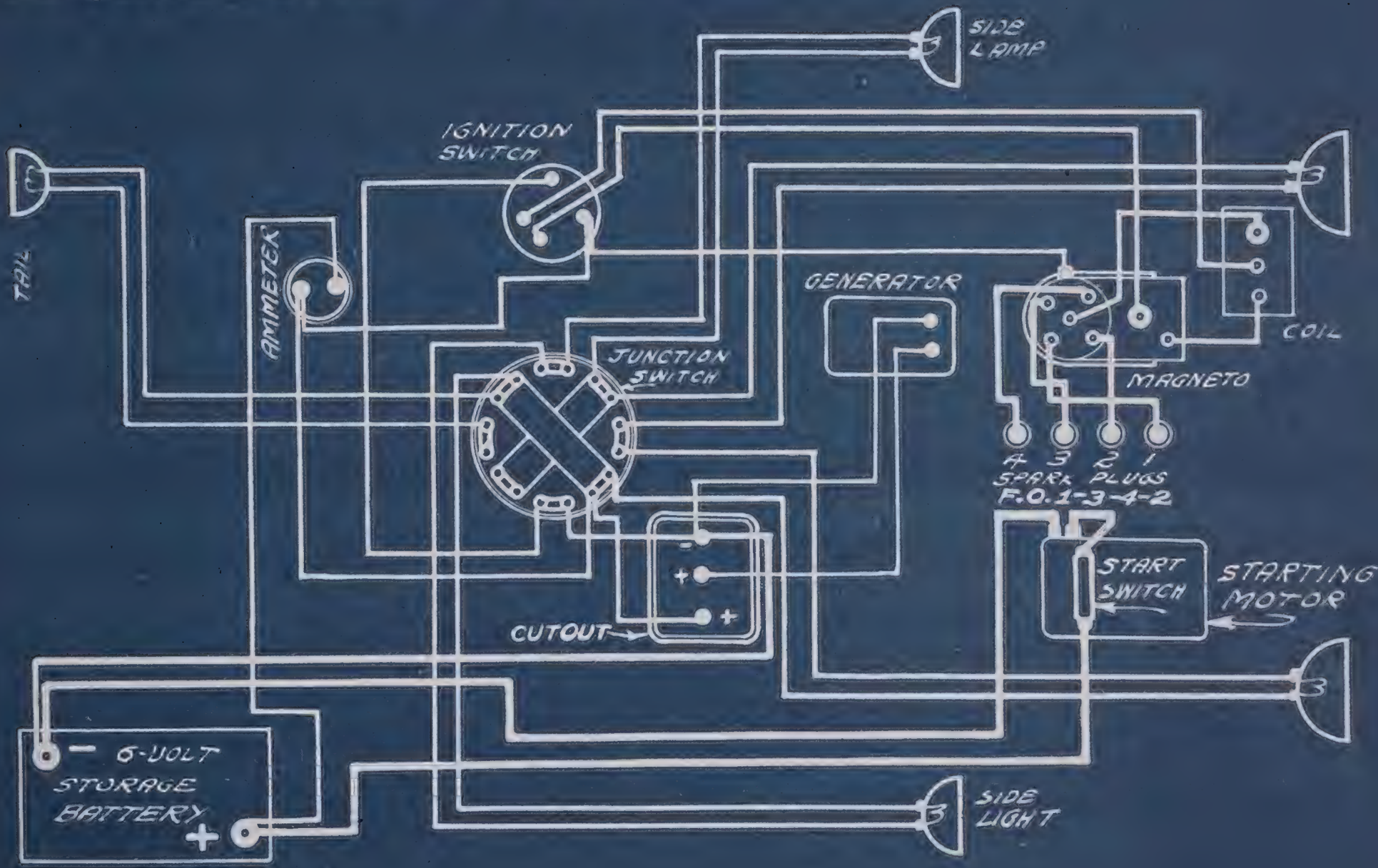


APPERSON 1913 "4-45" & "4-55"
ESTERLINE SYSTEM



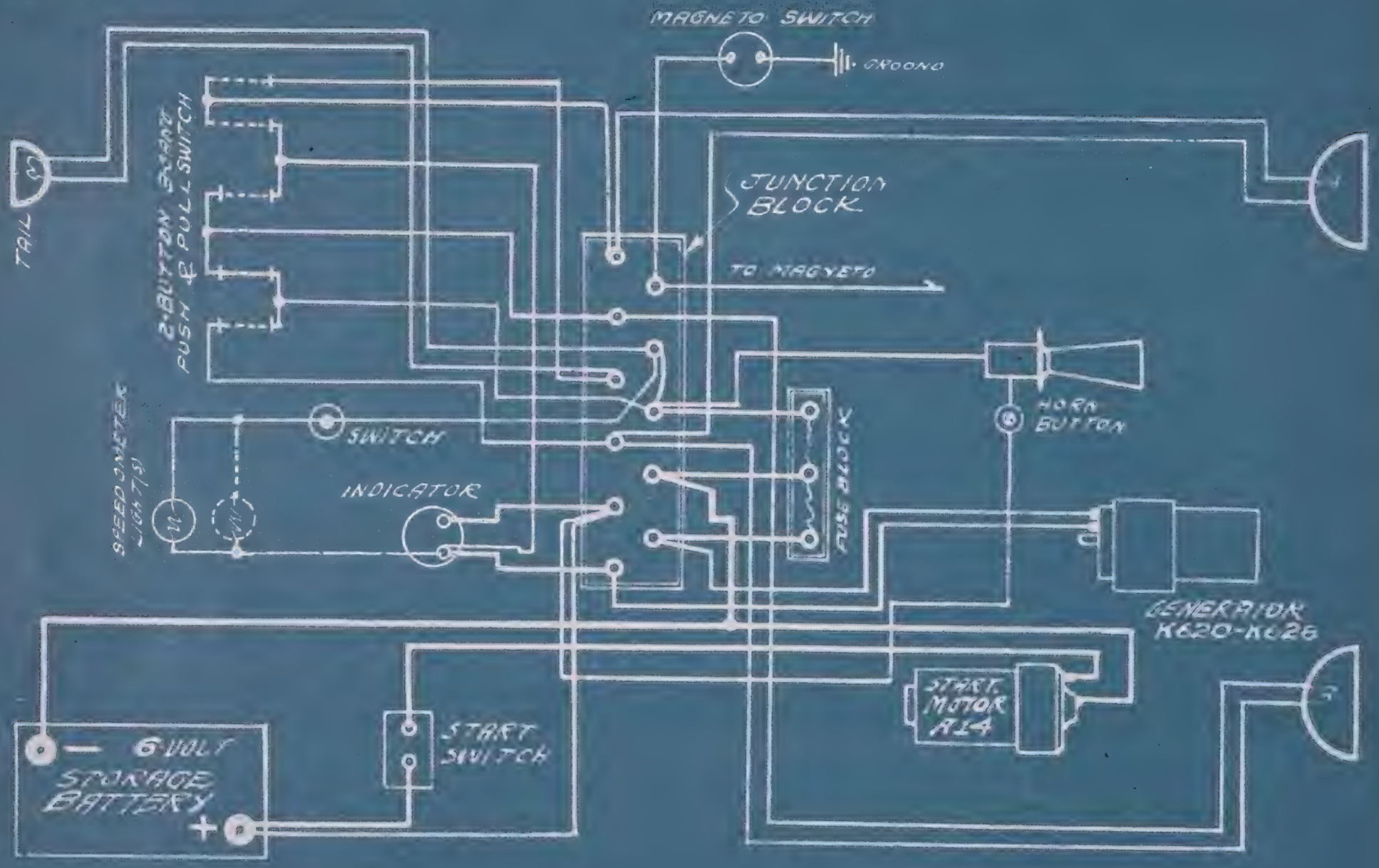
APPERSON 1913 "55" & "45"

GRAY & DAVIS SYSTEM

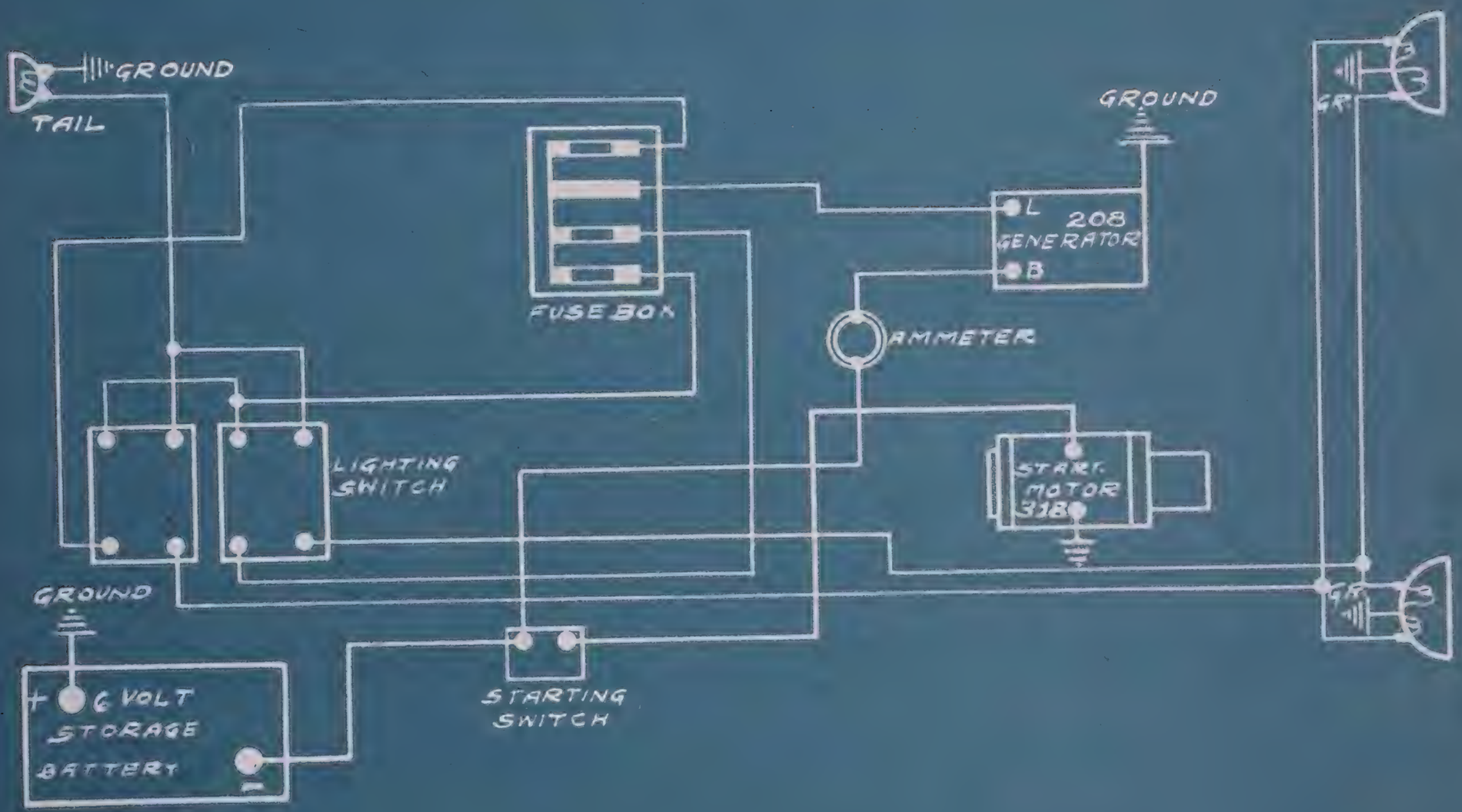


APPERSON 1914 "4-45" "6-45" "6-58"

BIJUR SYSTEM

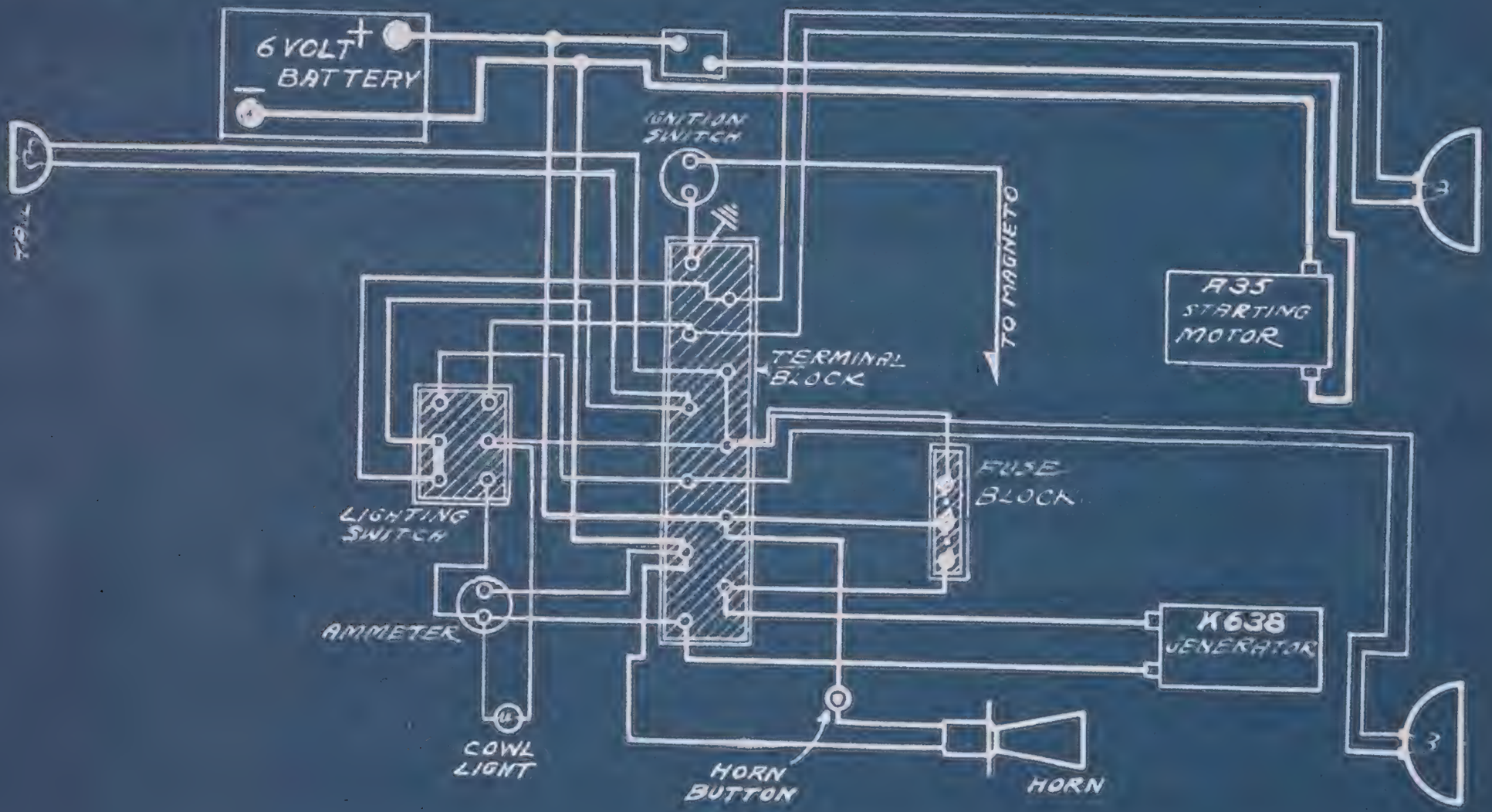


APPERSON 1915
WESTINGHOUSE SYSTEM

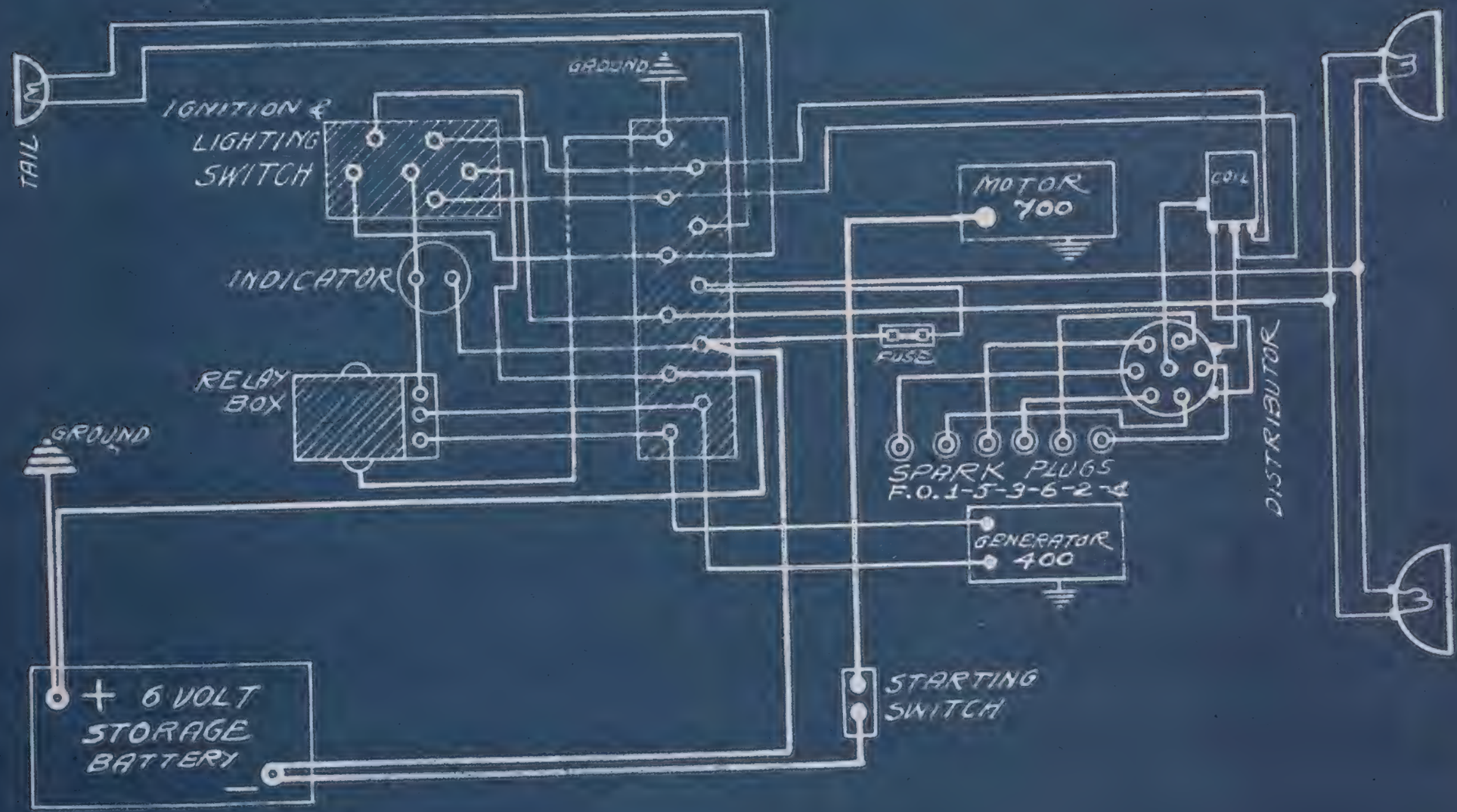


APPERSON 1915 "4-40" "6-45"

BIJUR SYSTEM

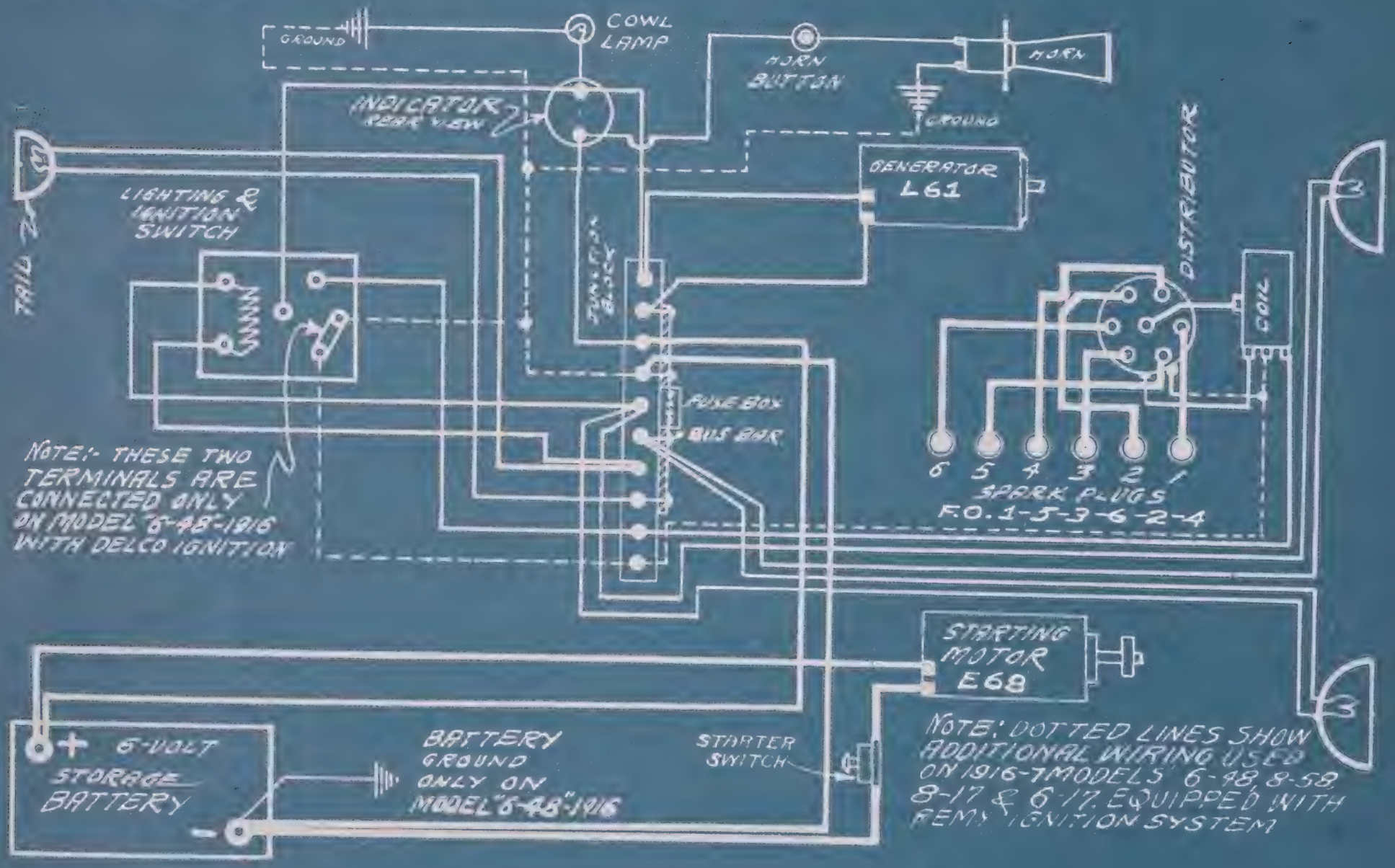


APPERSON 1916 "6-48" "8-58"
WESTINGHOUSE SYSTEM

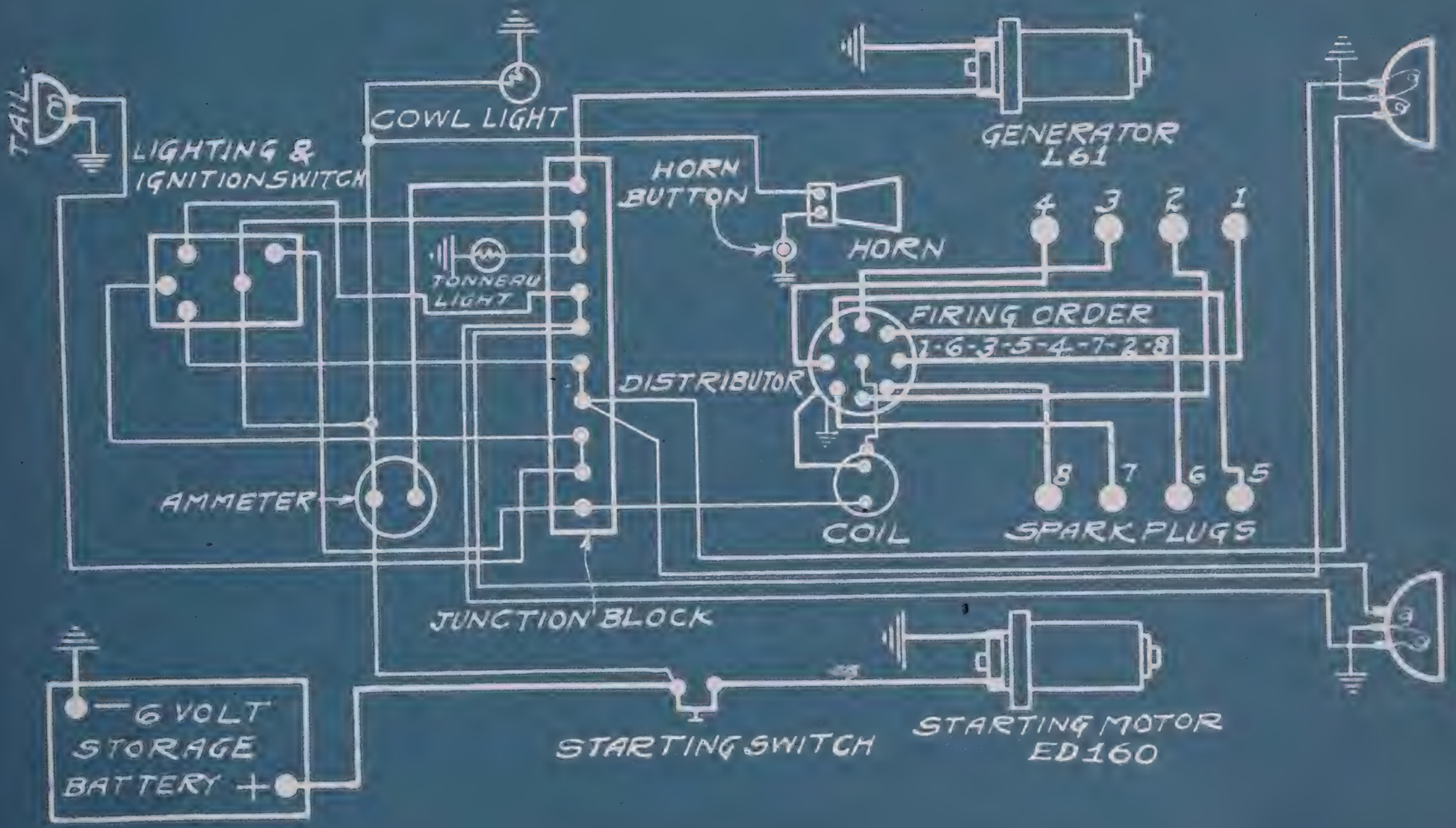


APPERSON 1916 "6-48" "858" & 1917 "8-17" "6-17"

BIJUR SYSTEM

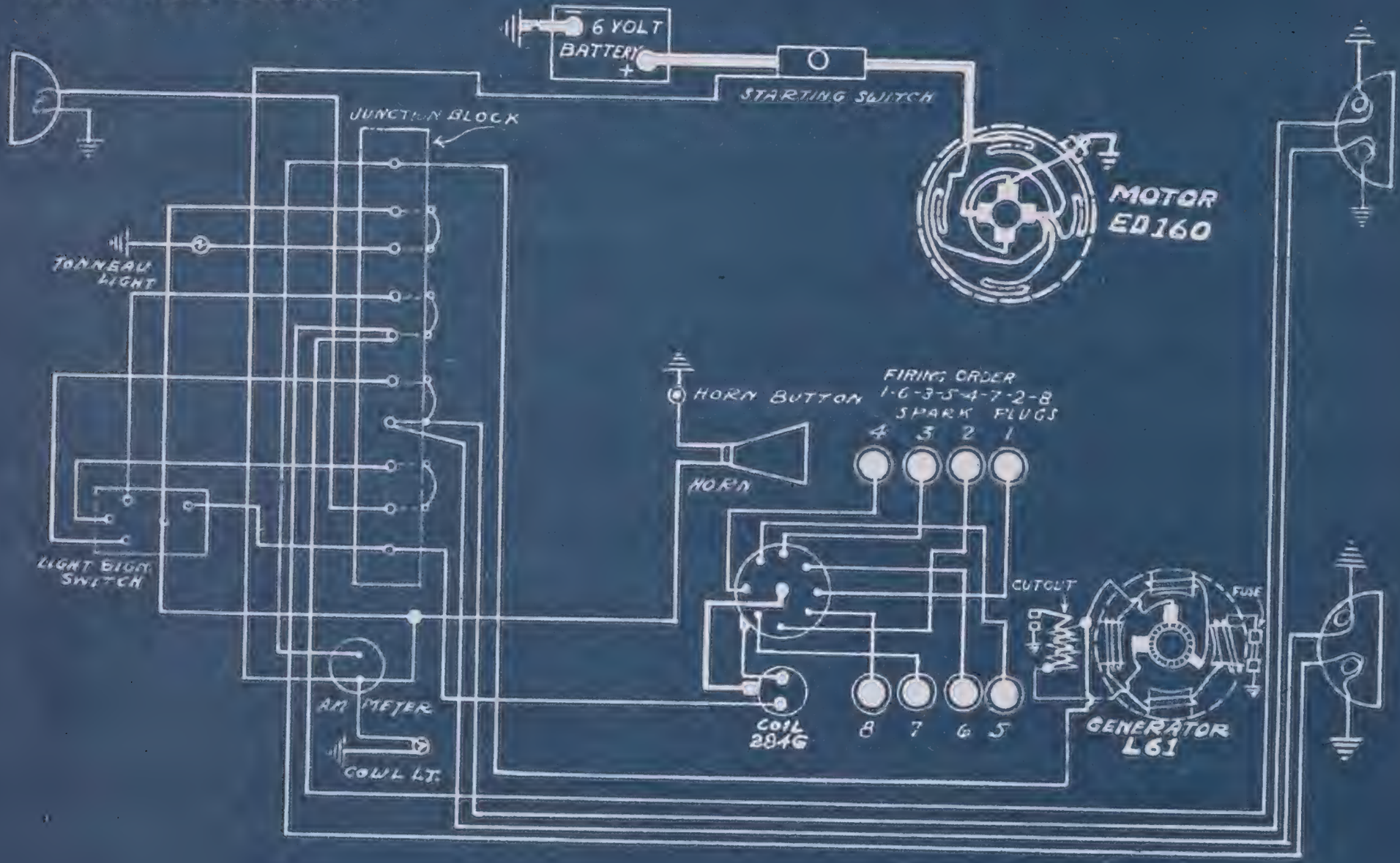


APPERSON 1918 - 8-18-A - 1919
BIJUR SYSTEM



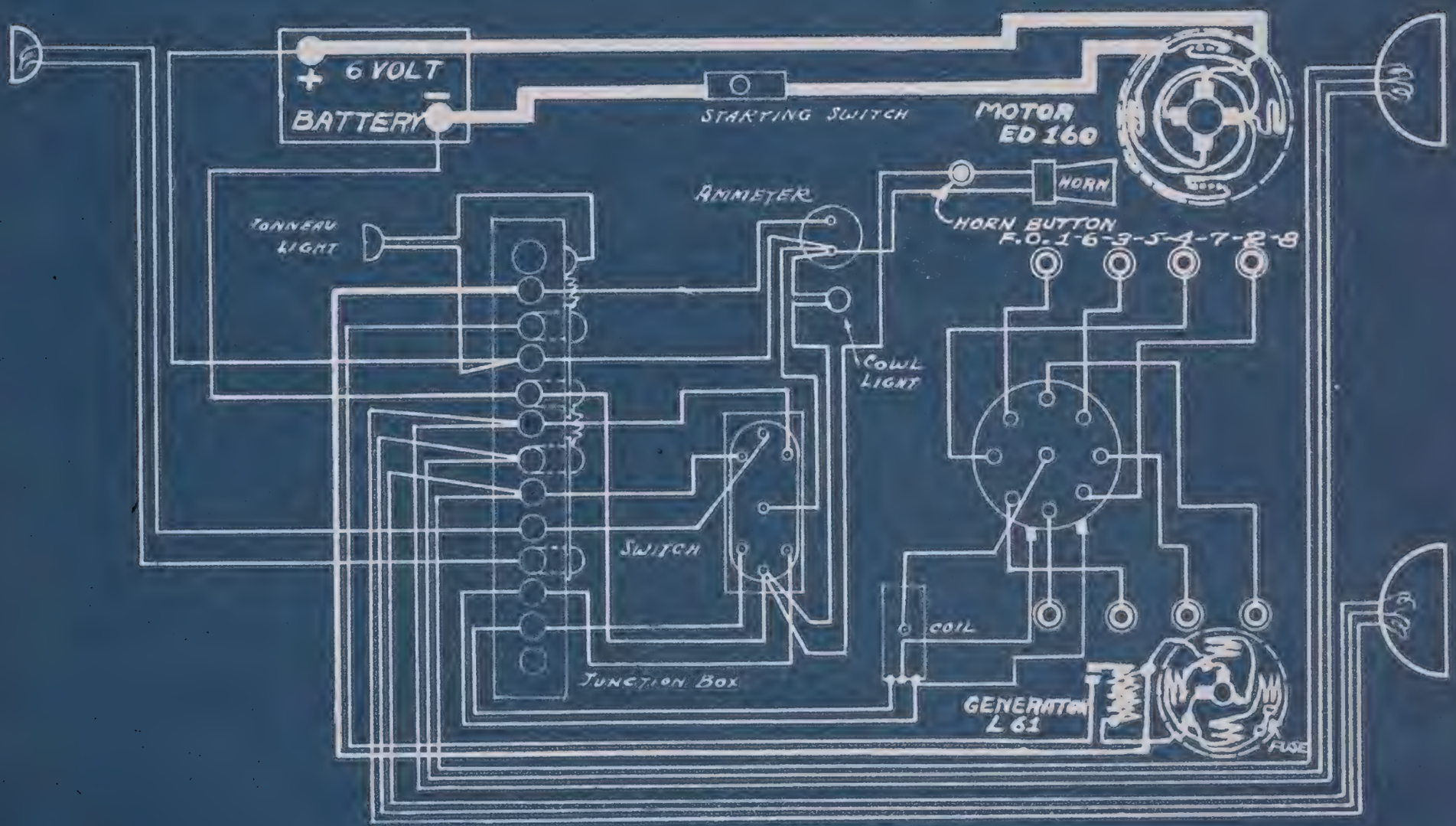
APPERSON "8" 1918-1919-1920-1921

BIJUR STARTING & LIGHTING
REMY IGN. SYSTEM



APPERSON 1919-20 "8-18"

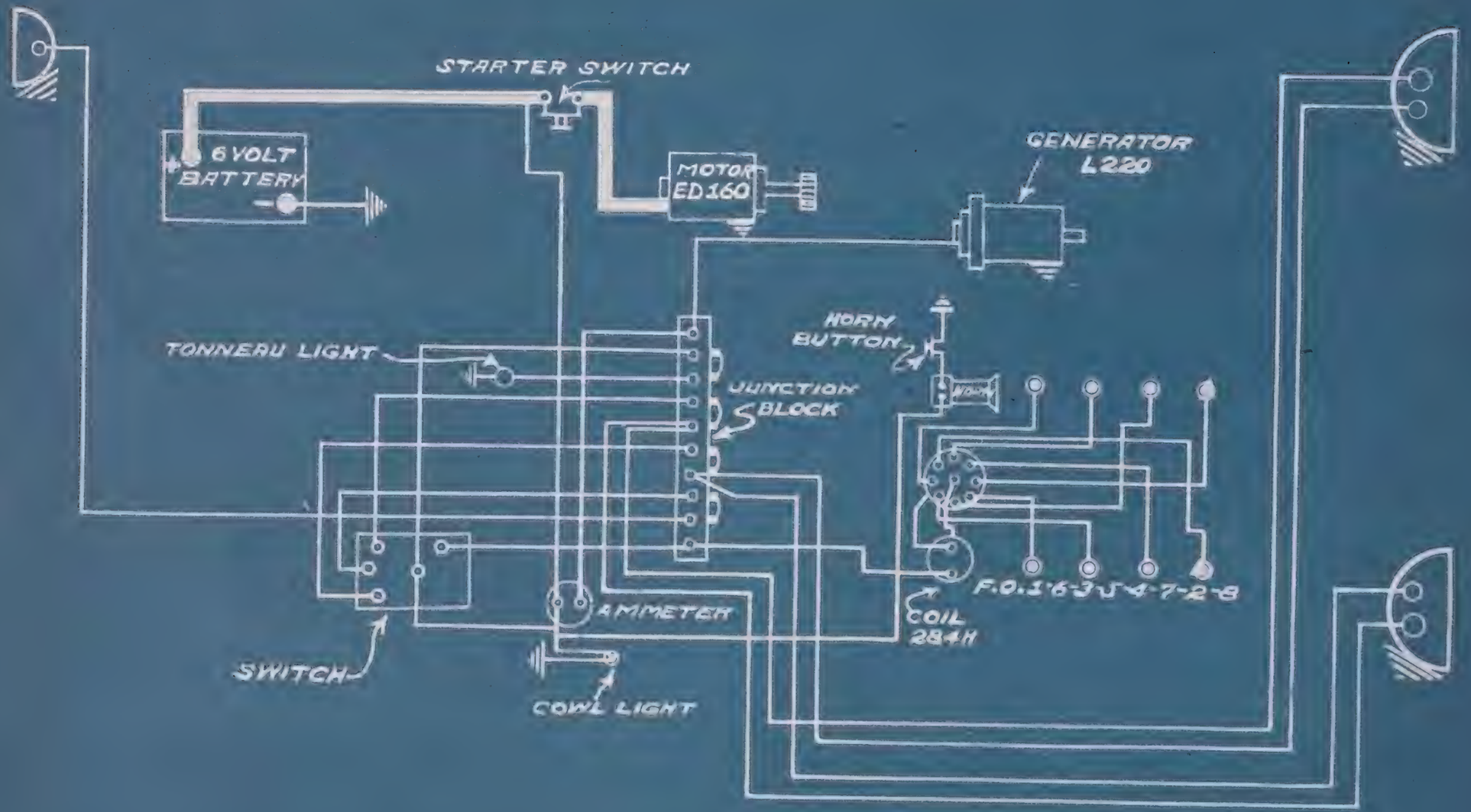
BIJUR STARTING & LIGHTING
REMY IGN.



APPERSON 1921-22

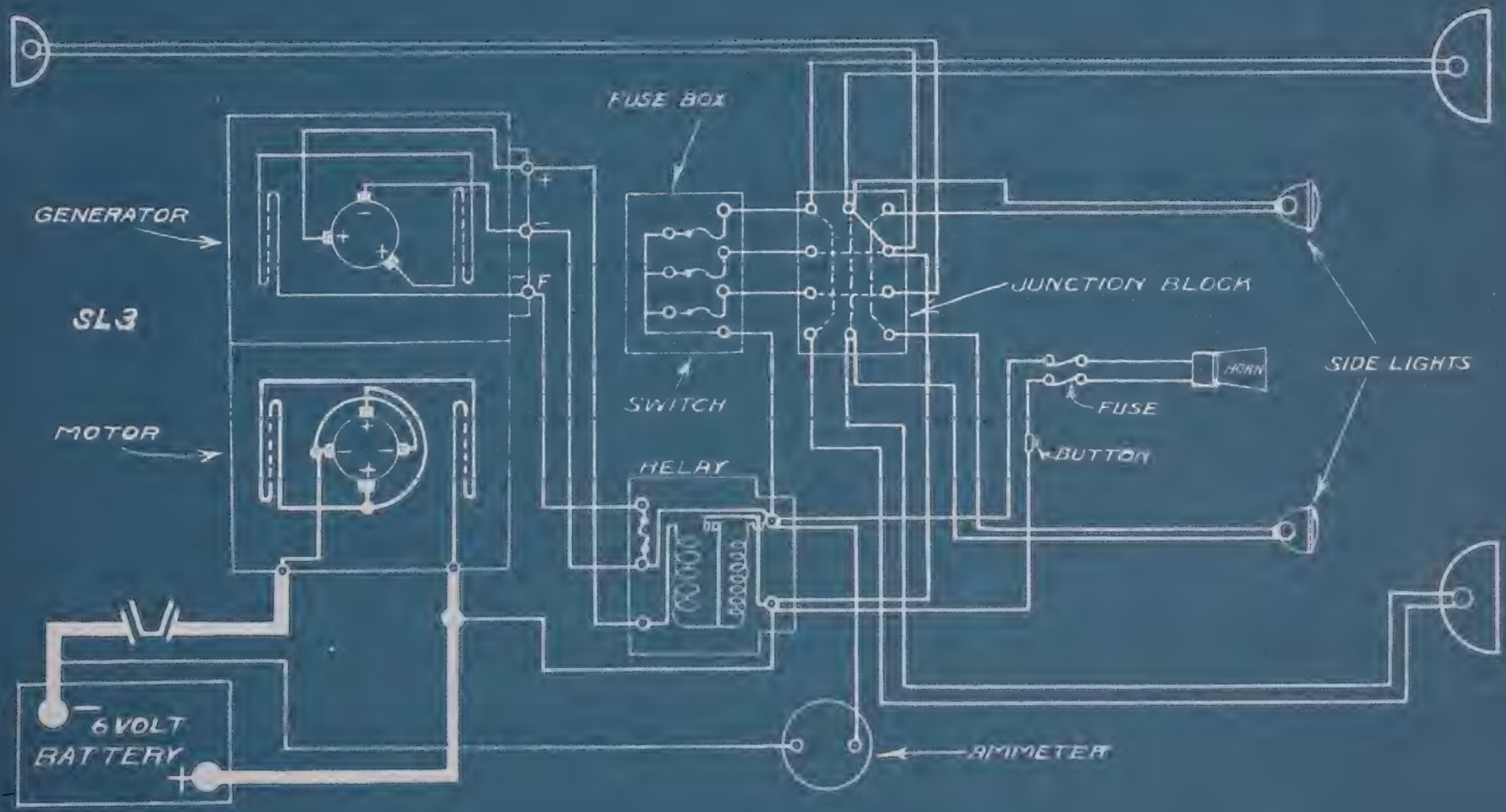
BIJUR SYSTEM

REMY IGN.

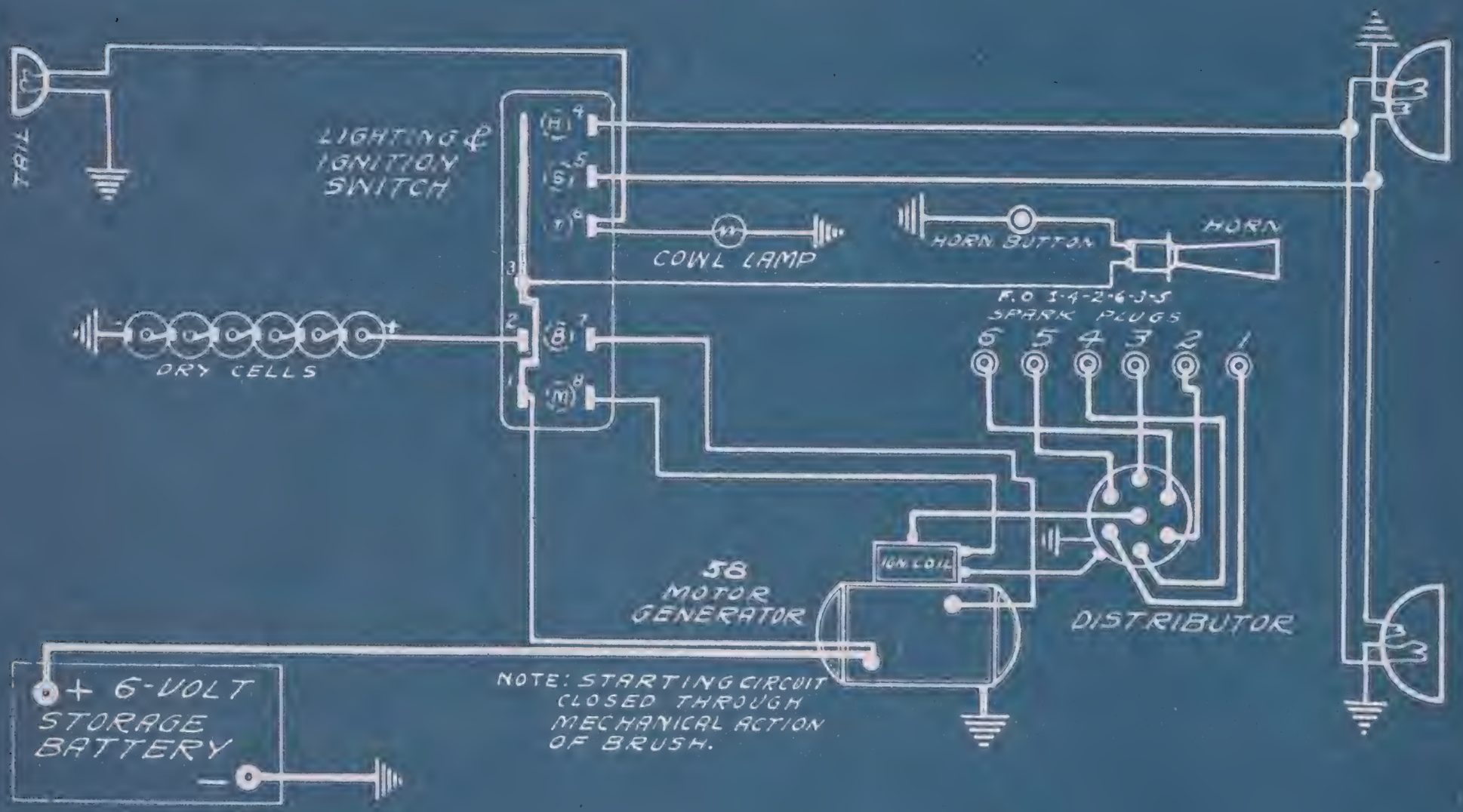


AUBURN 4-40, 4-41, 6-45, 6-46, 1914

REMY SYSTEM

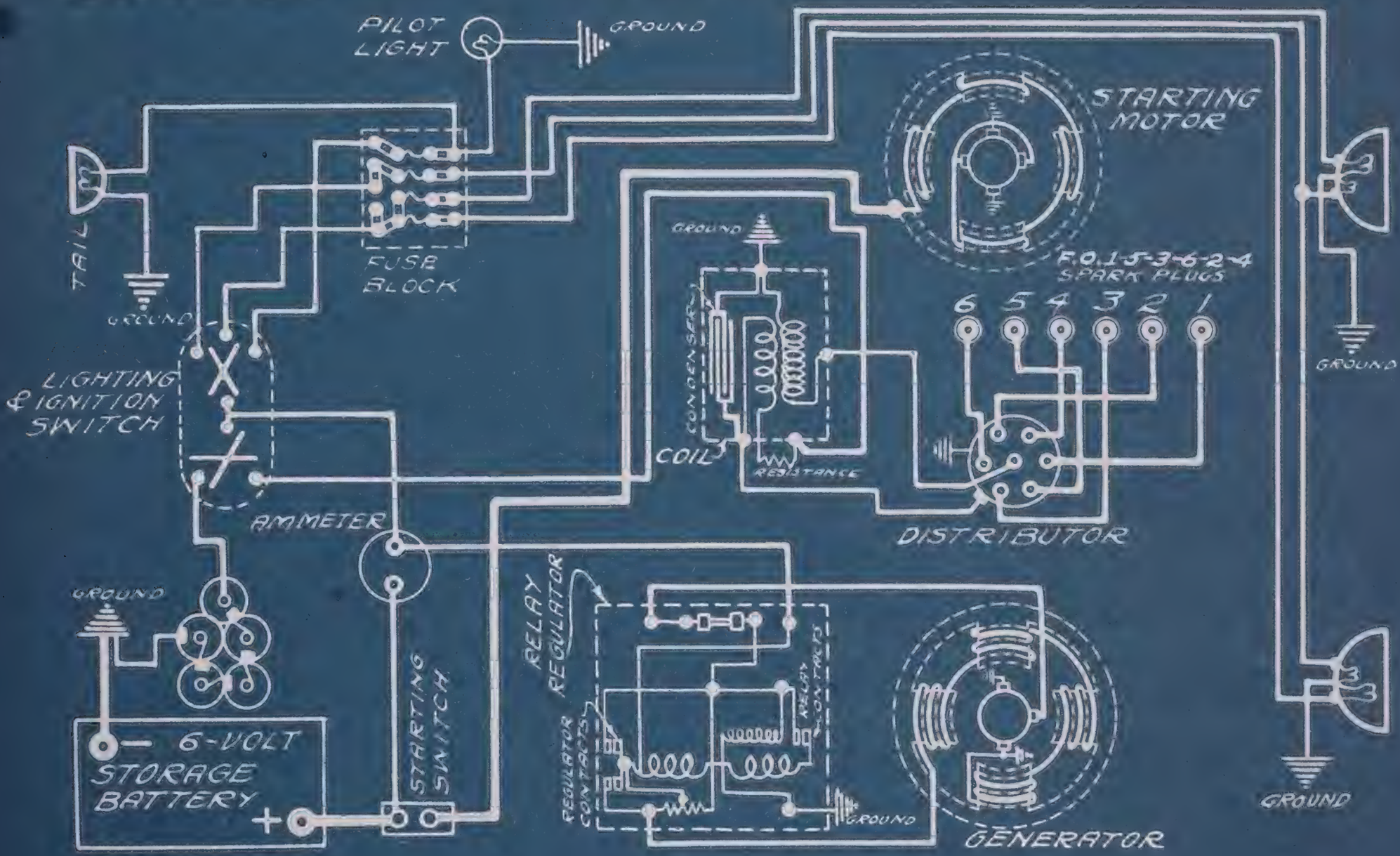


AUBURN 1915 "6-40"
DELCO SYSTEM

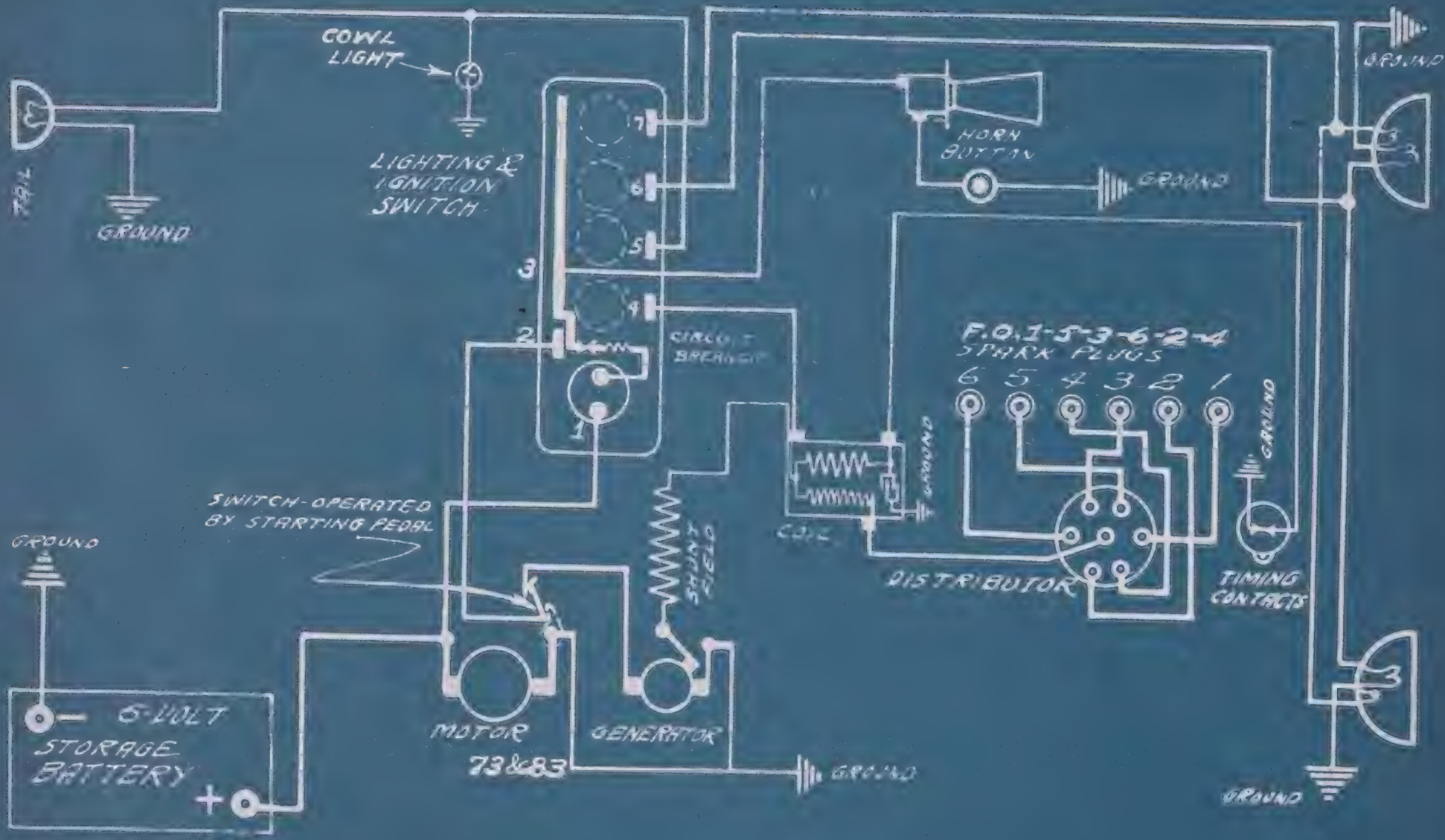


AUBURN 1916 4-38-6-38-6-40

REMY SYSTEM

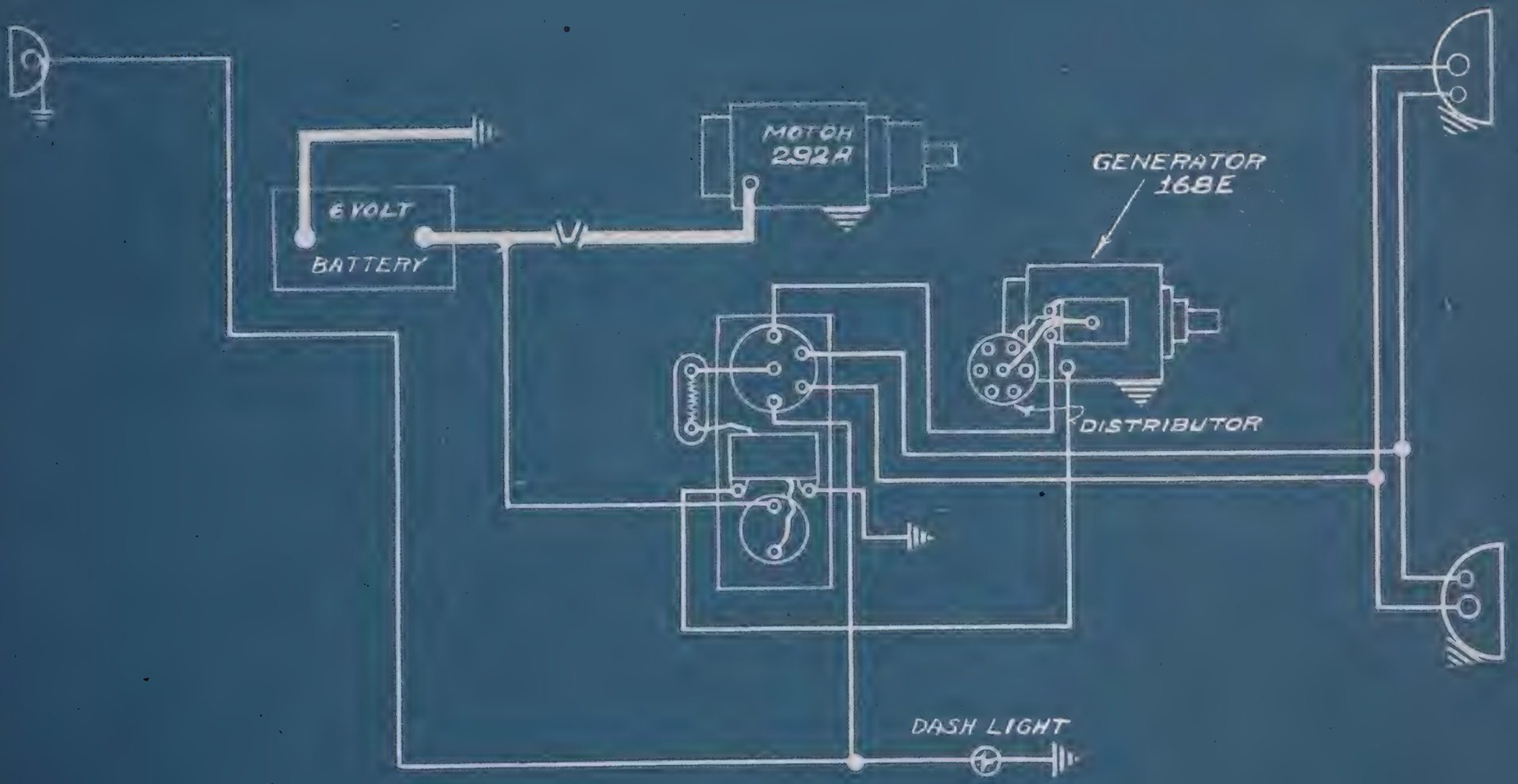


AUBURN 1916 "6-40-A"
DELCO SYSTEM

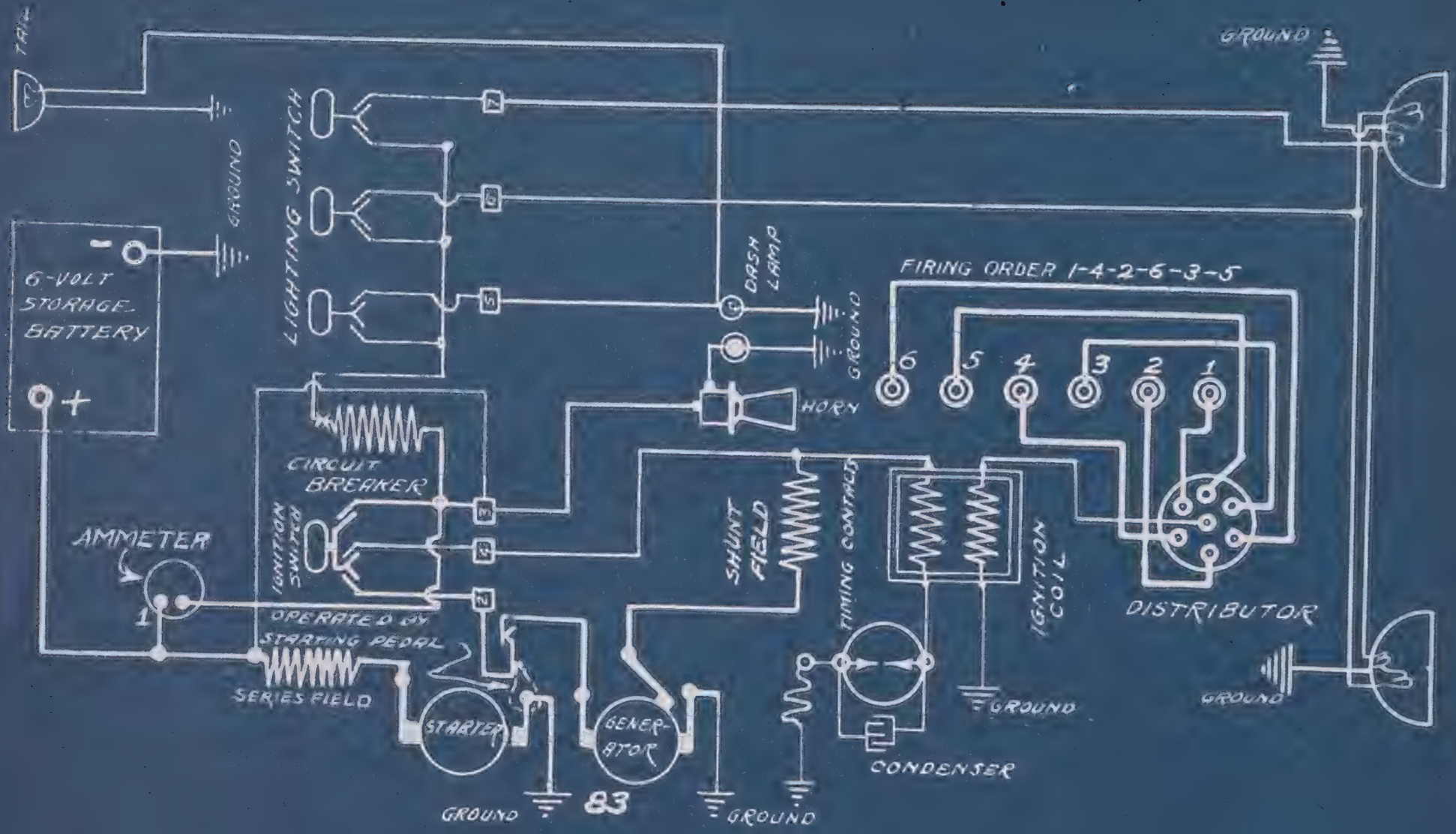


AUBURN "6-39" 1917

REMY SYSTEM

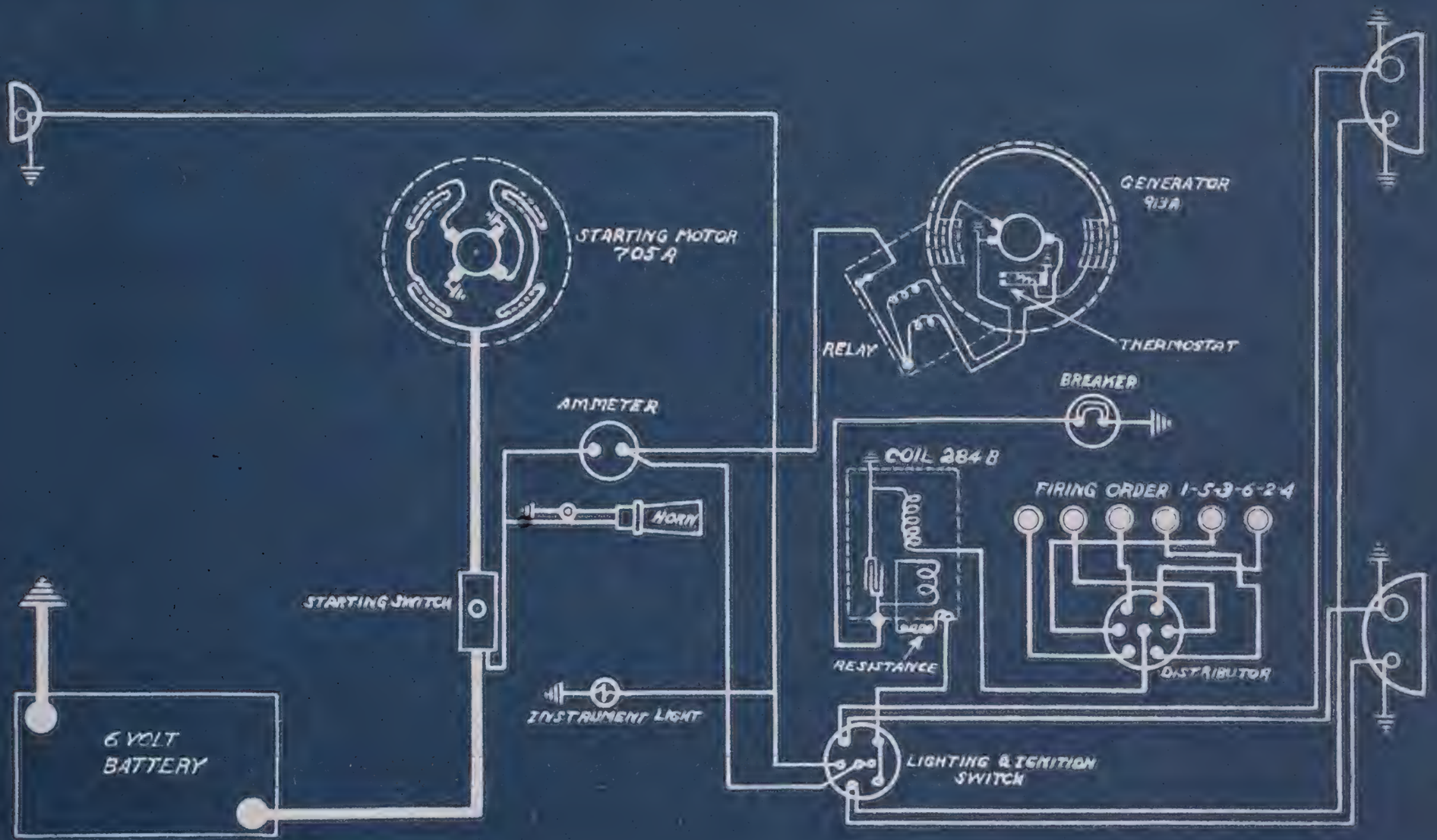


AUBURN 1918 6-44
DELCO SYSTEM



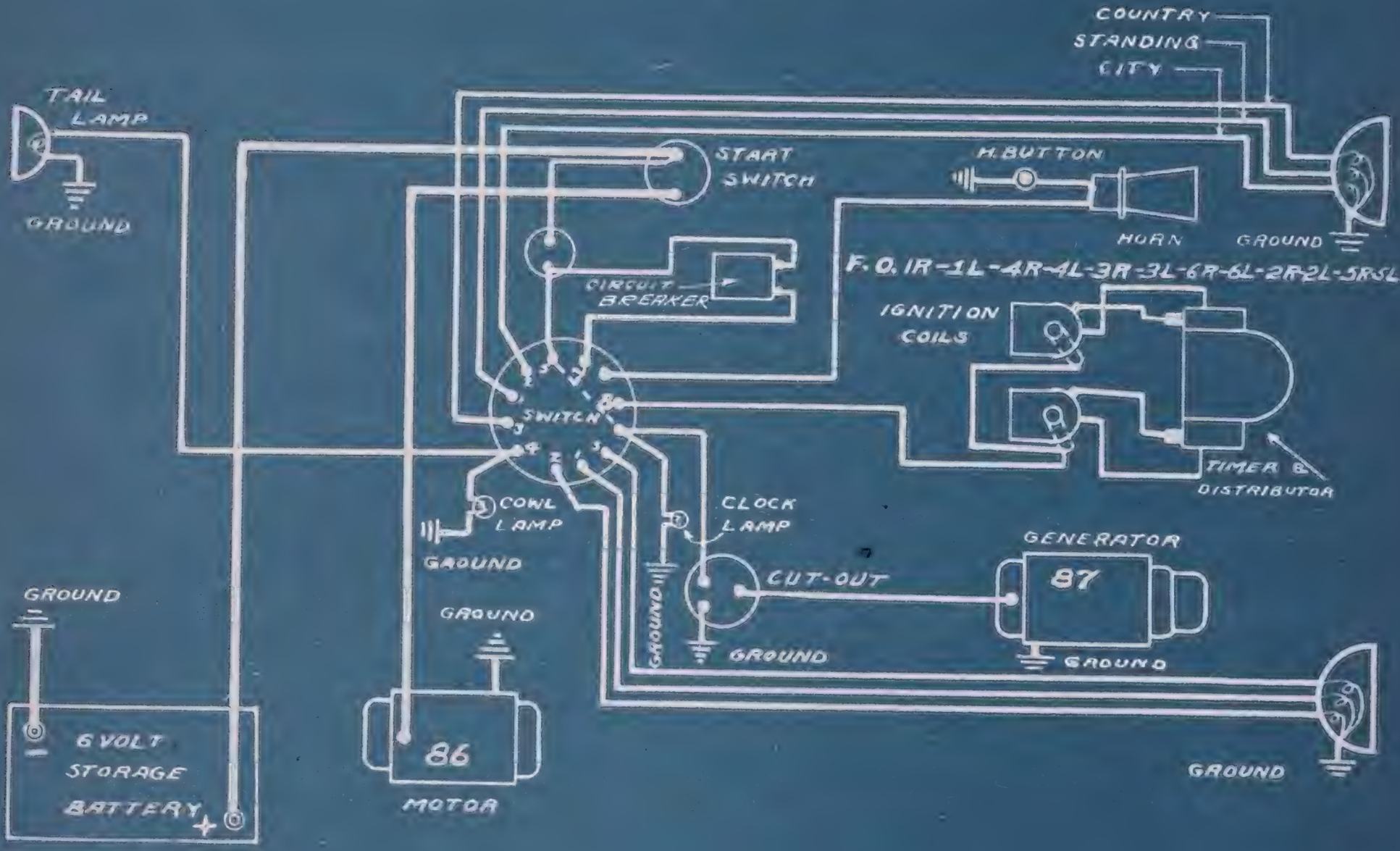
AUBURN 1919-20-21 MODEL "6-39" - 1922 "6-51"

REMY SYSTEM



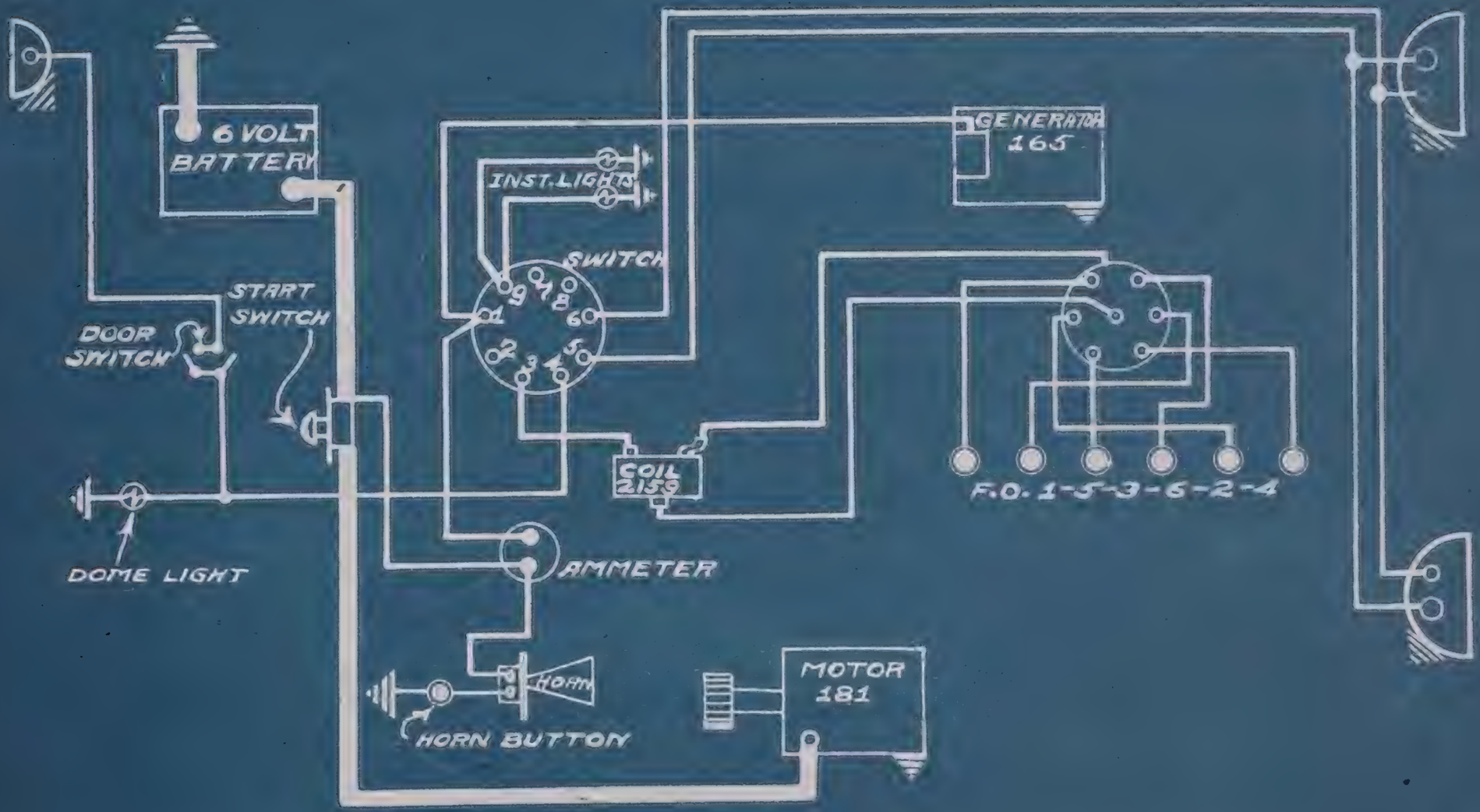
AUSTIN HIGHWAY KING 12 1917-1918

DELCO SYSTEM



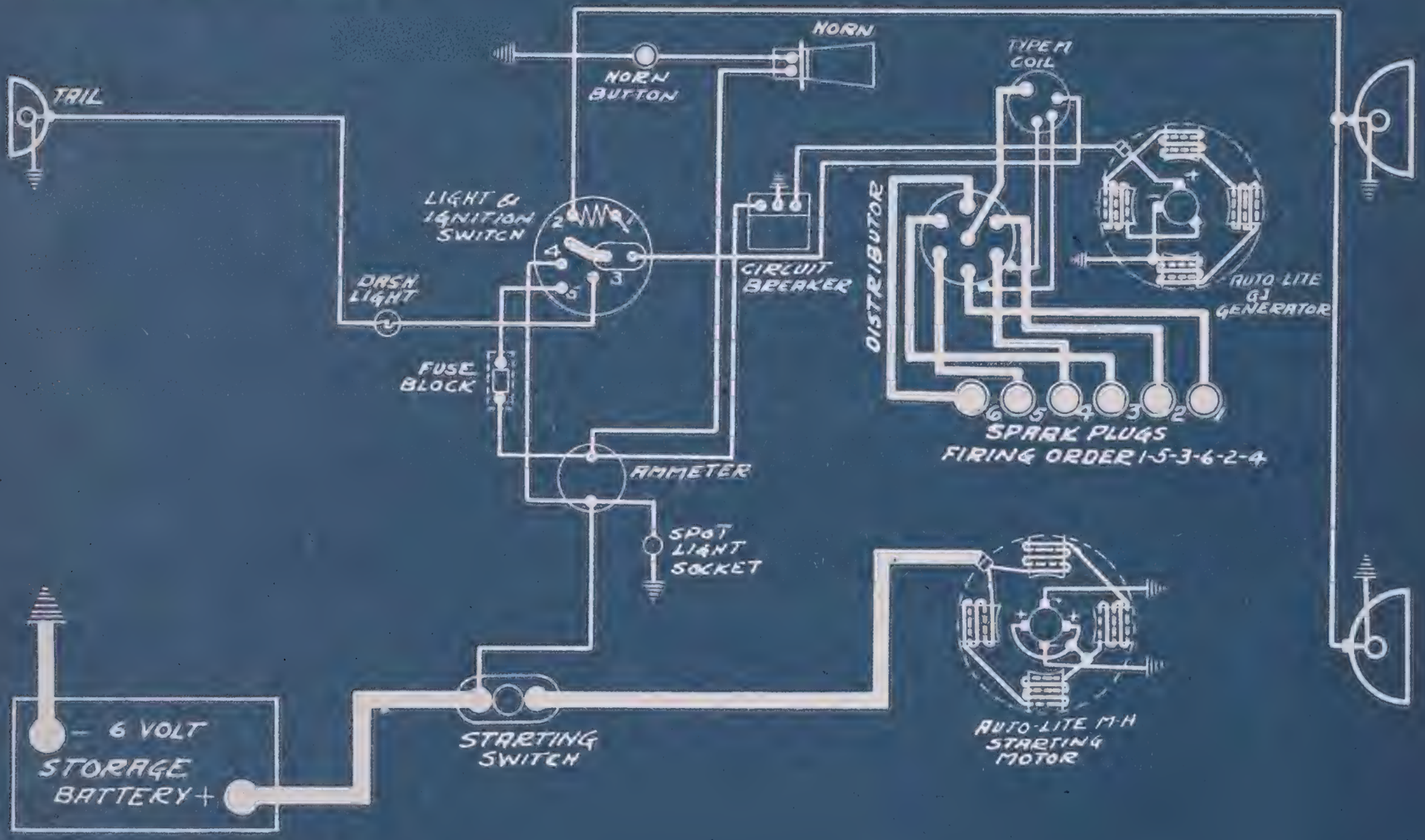
BAY STATE 1922

DELCO SYSTEM



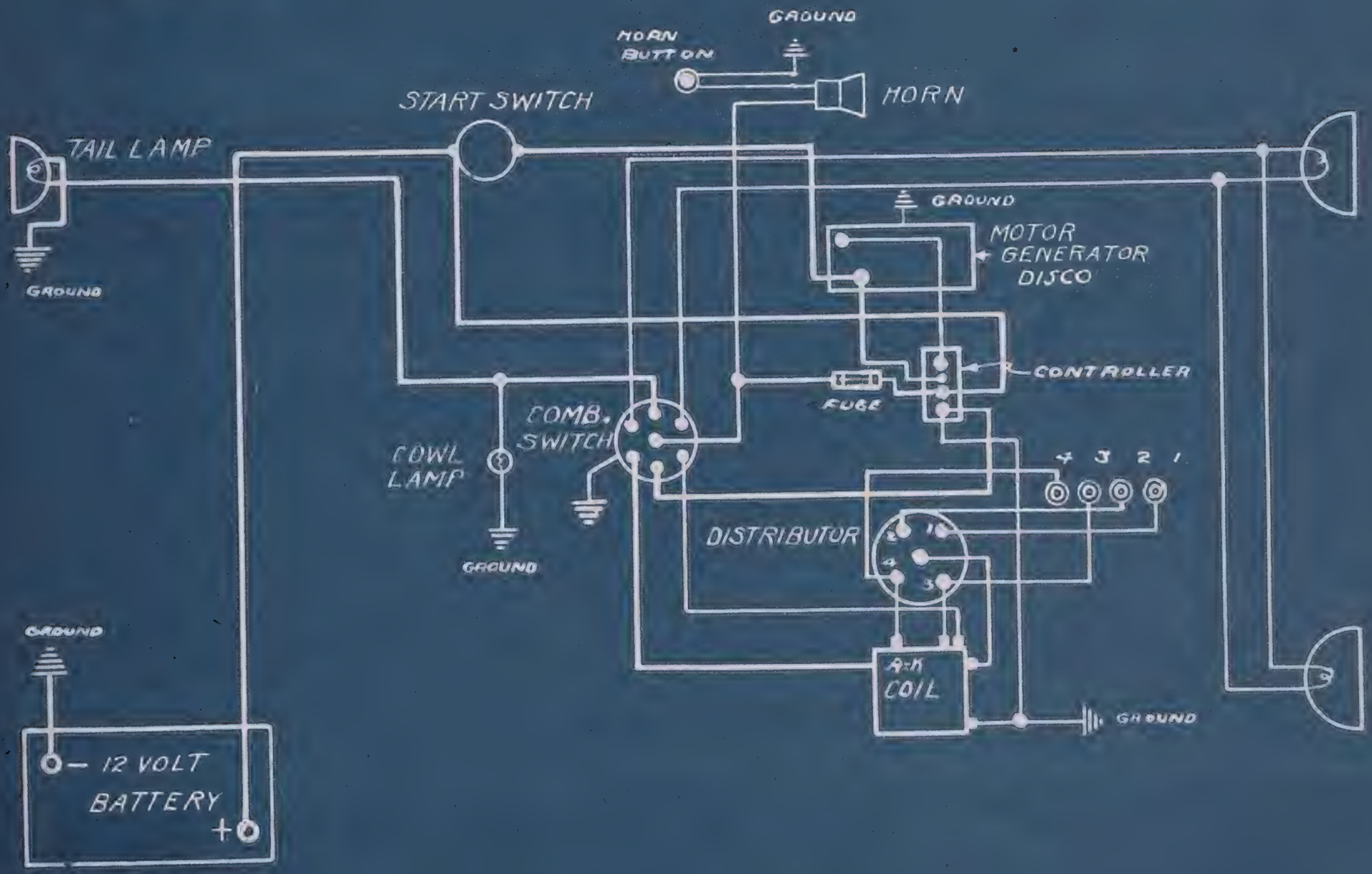
BEGGS 1920 1921

AUTO-LITE SYSTEM
CONNECTICUT IGNITION



BELL 1916 "16"

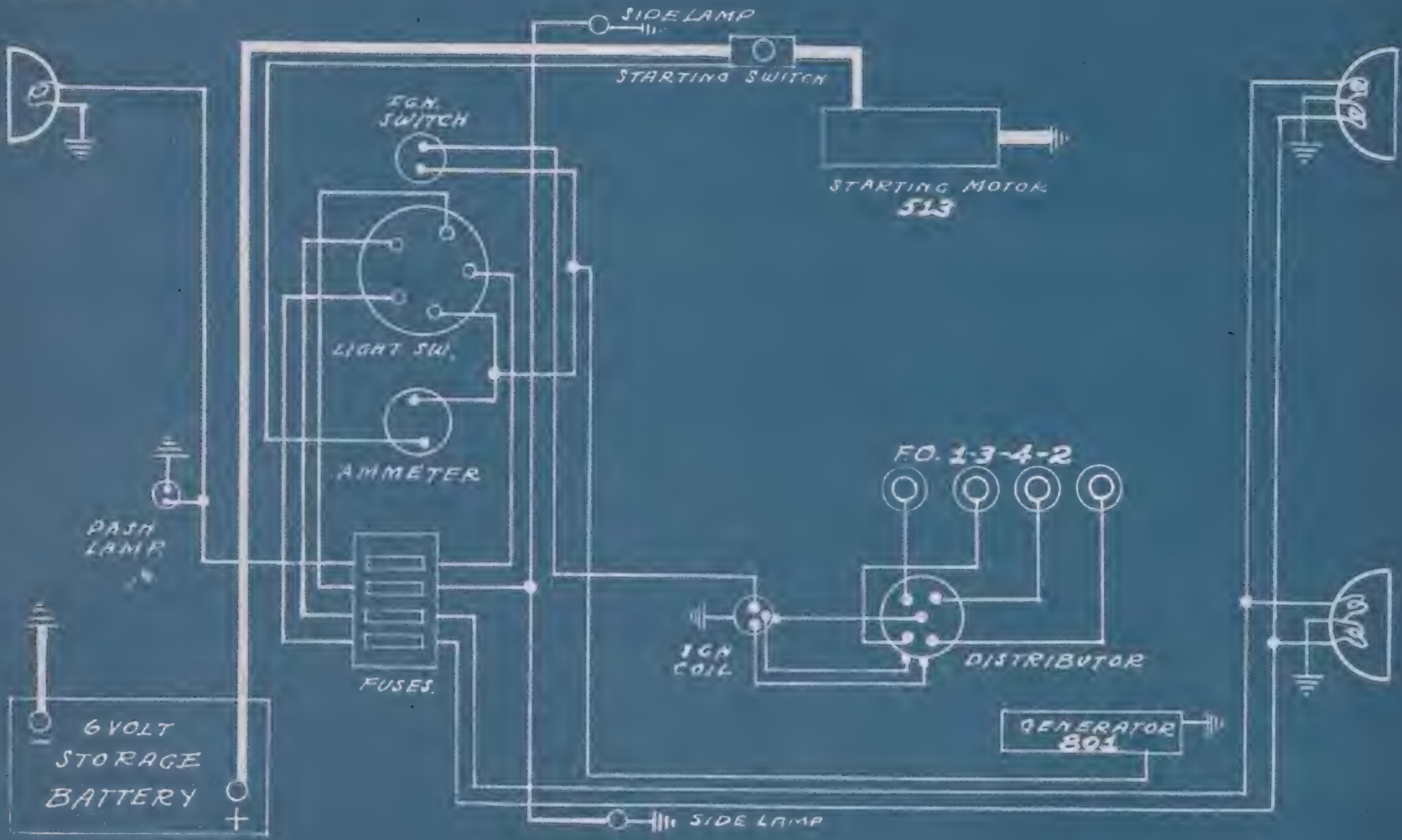
DISCO SYSTEM



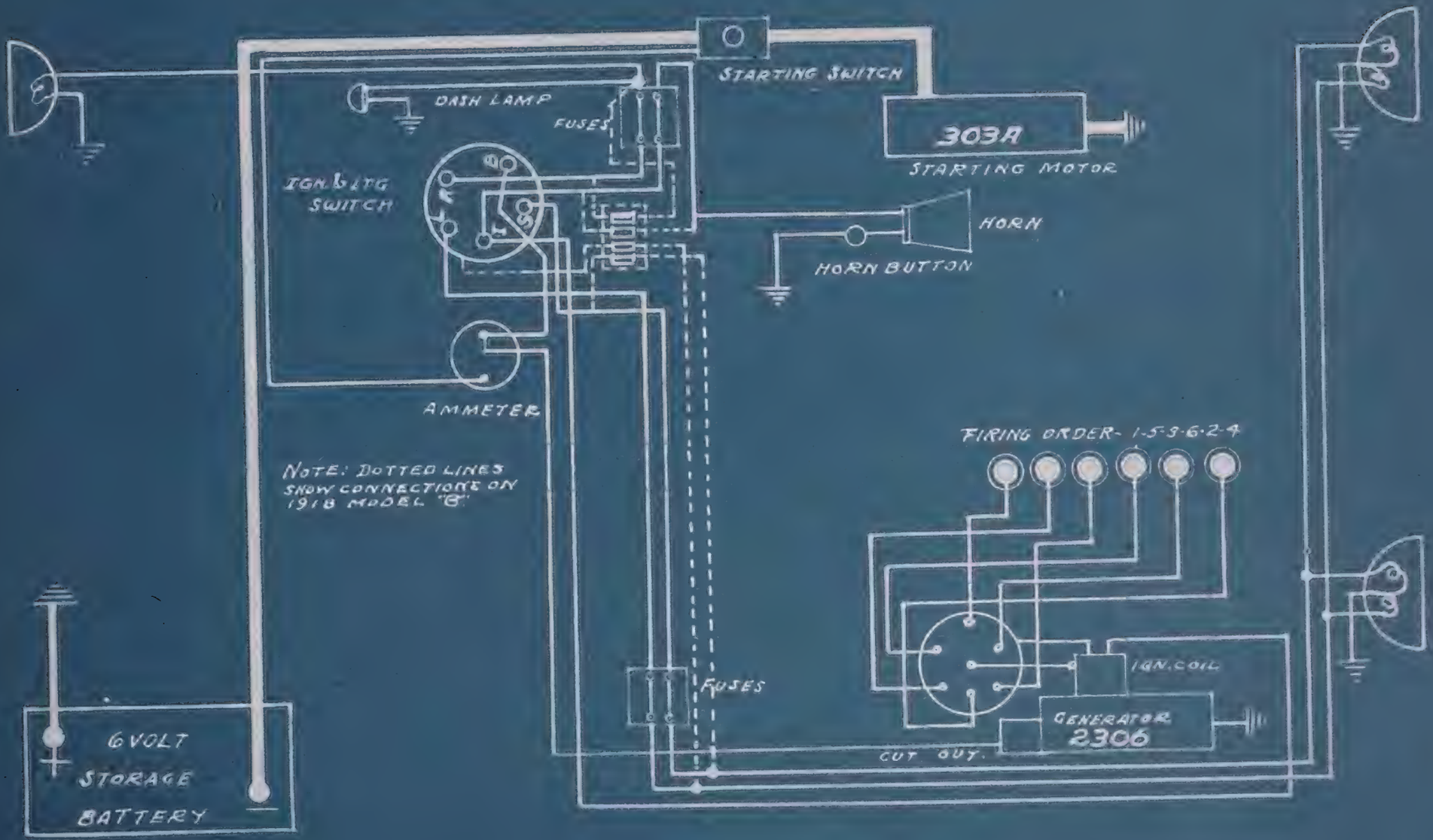
BIDDLE ALL MODELS 1919-1920

GRAY & DAVIS STARTING & LIGHTING

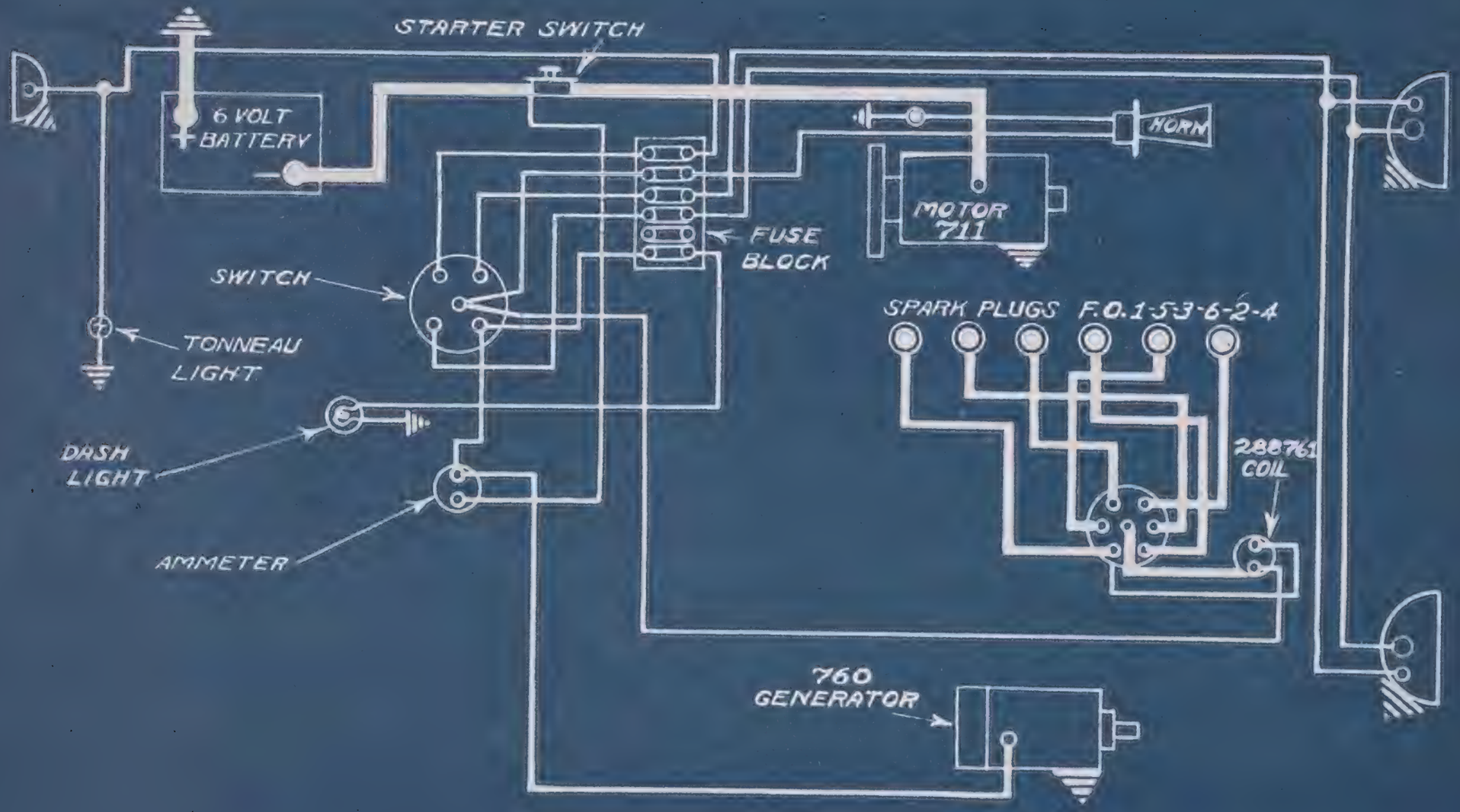
CONN. IGN.



BOUR-DAVIS ALL MODELS 1919-1920
REMY SYSTEM. 1918 "B"



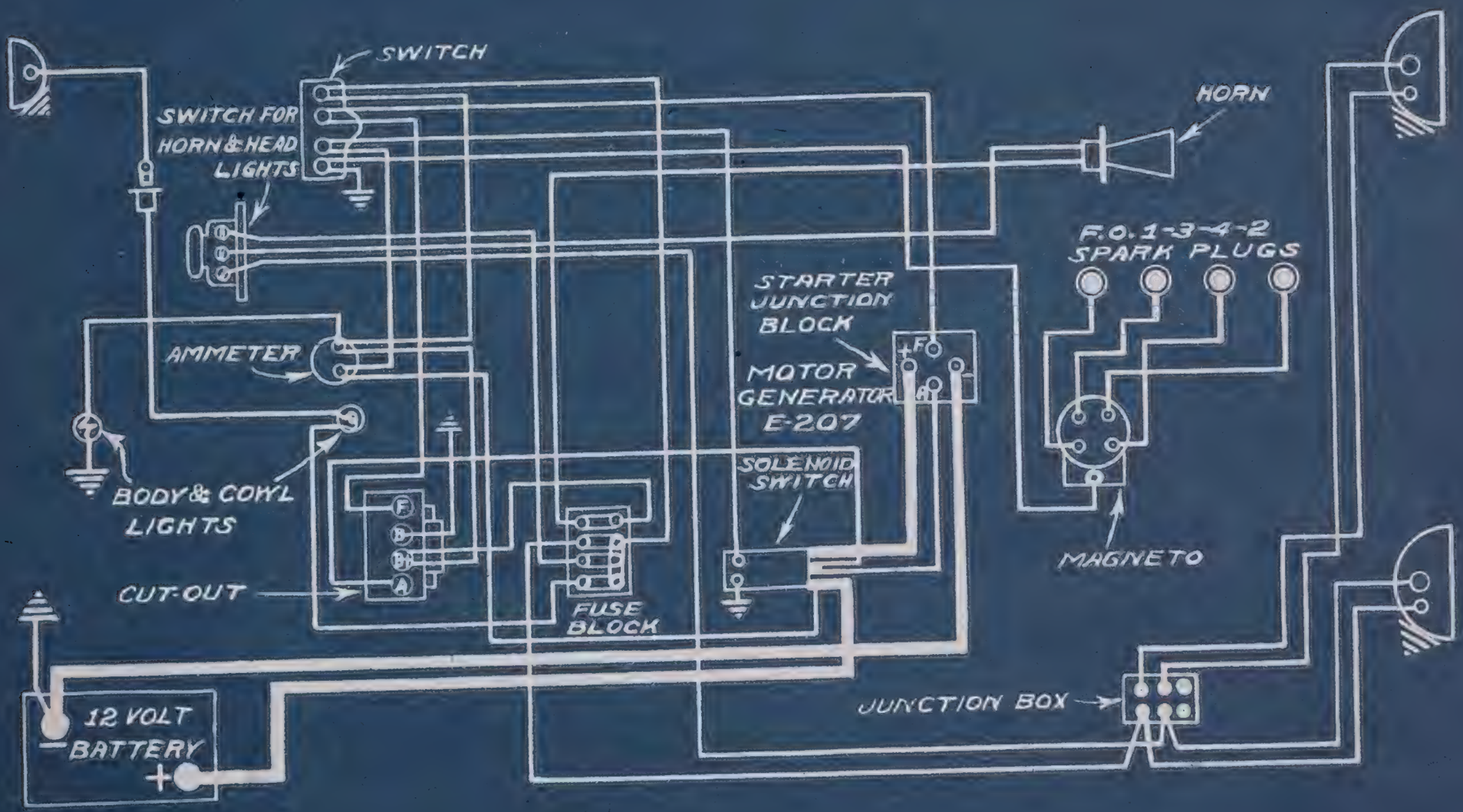
BOUR-DAVIS "21" 1922
WESTINGHOUSE SYSTEM



BREWSTER "91" 1920-21

U.S.L. SYSTEM

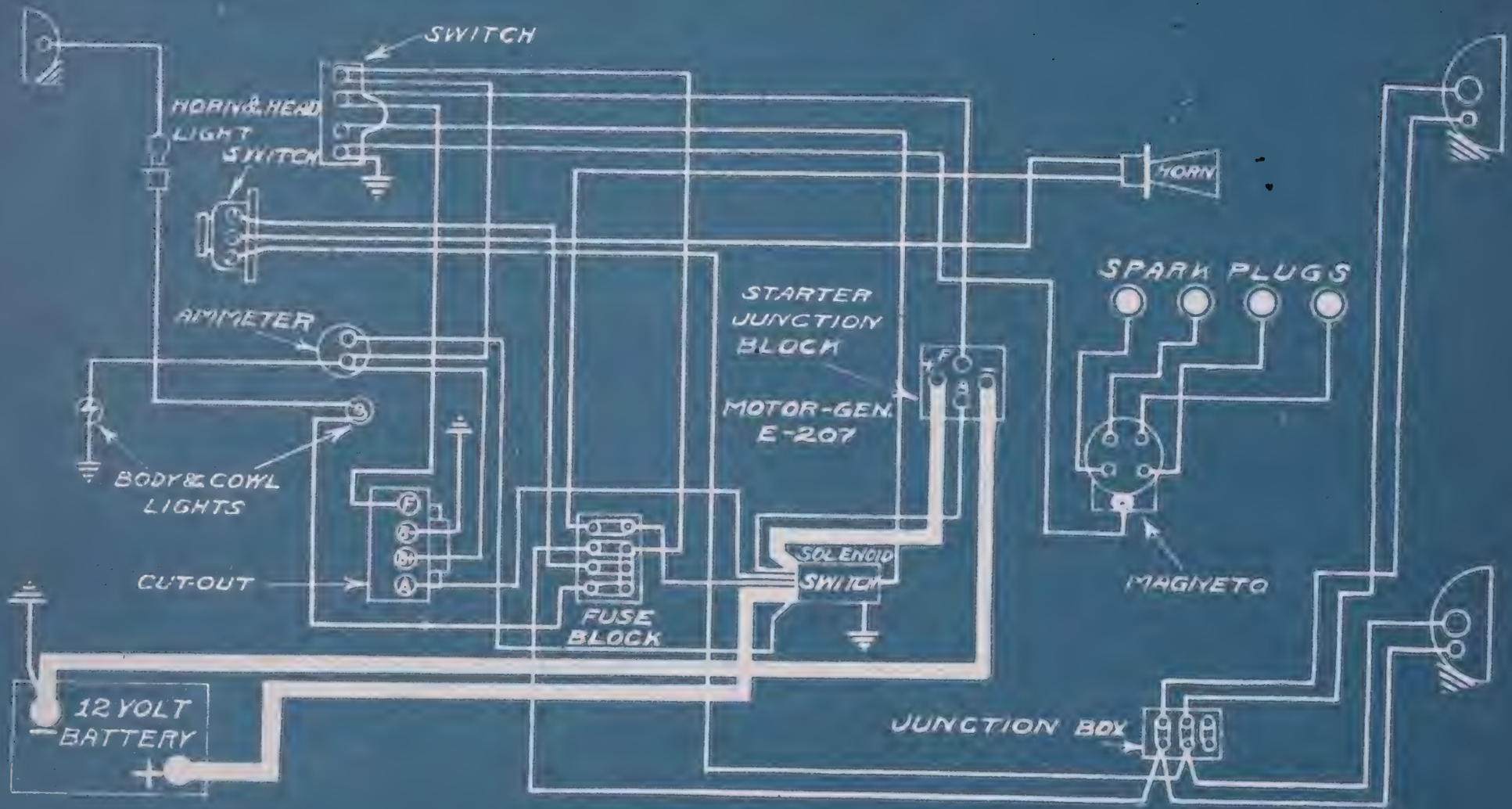
BERLING MAG.



BREWSTER "02" 1922

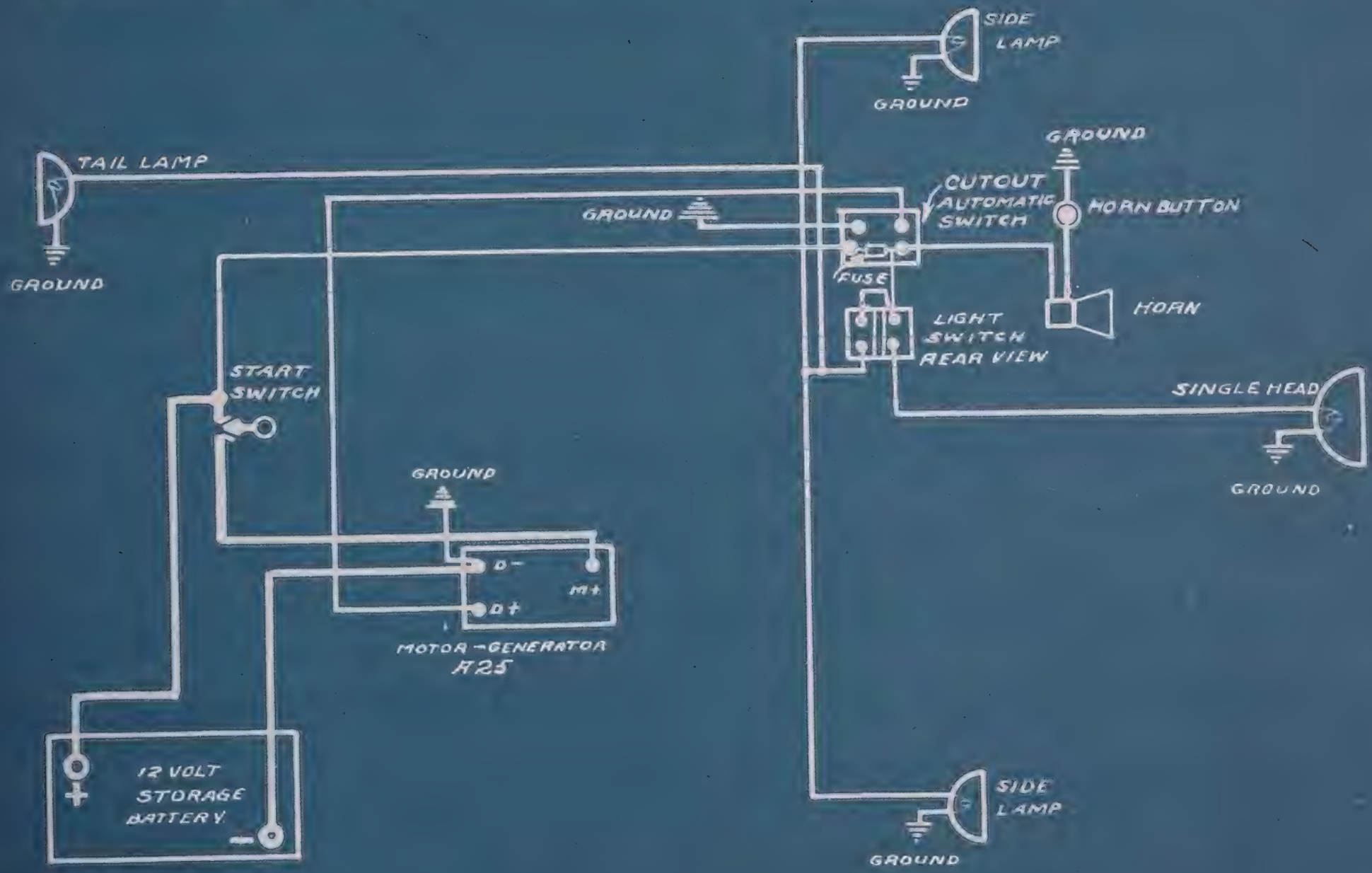
U.S.L. SYSTEM

BOSCH MAG.

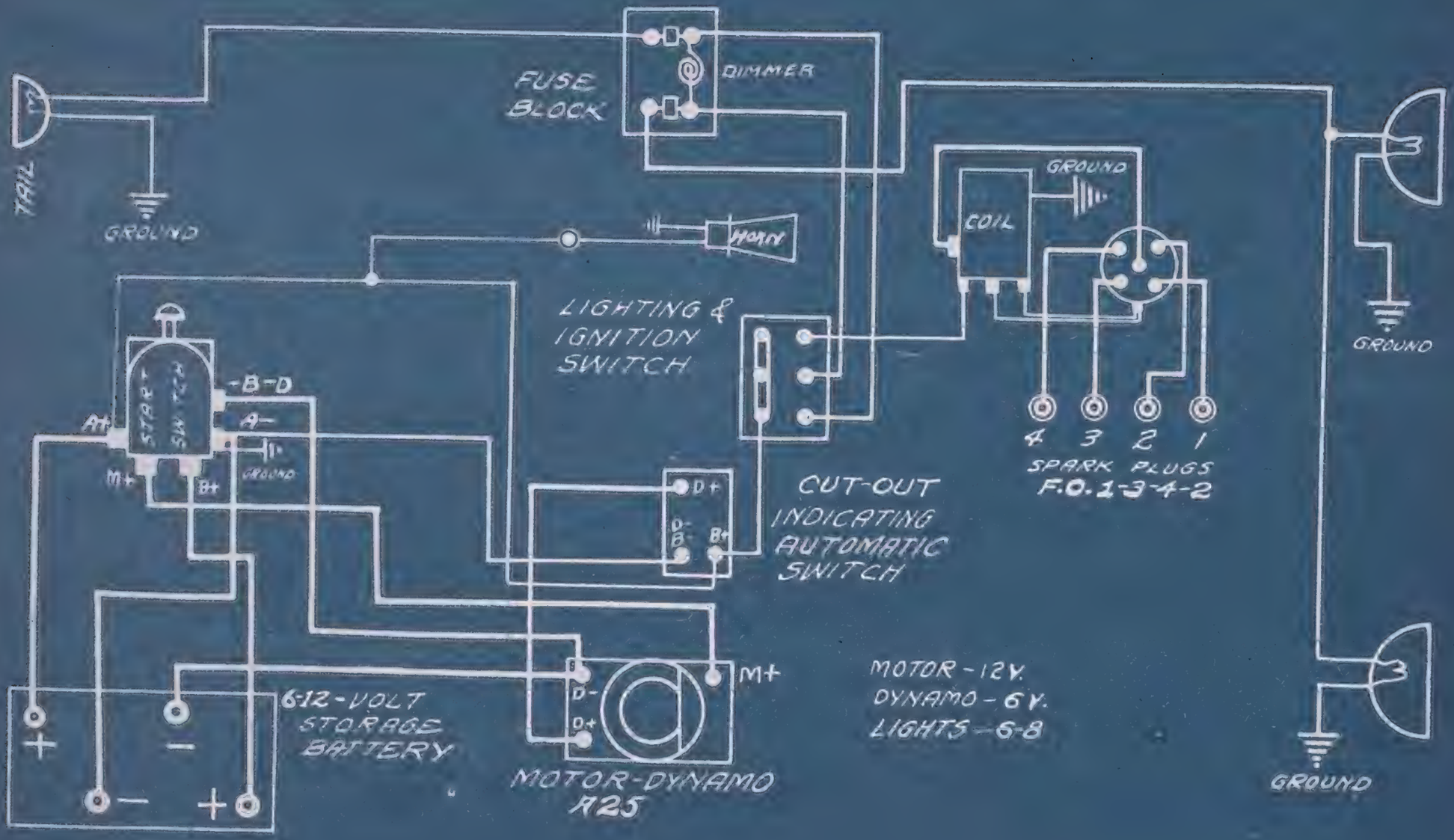


BRISCOE "B15" 1915

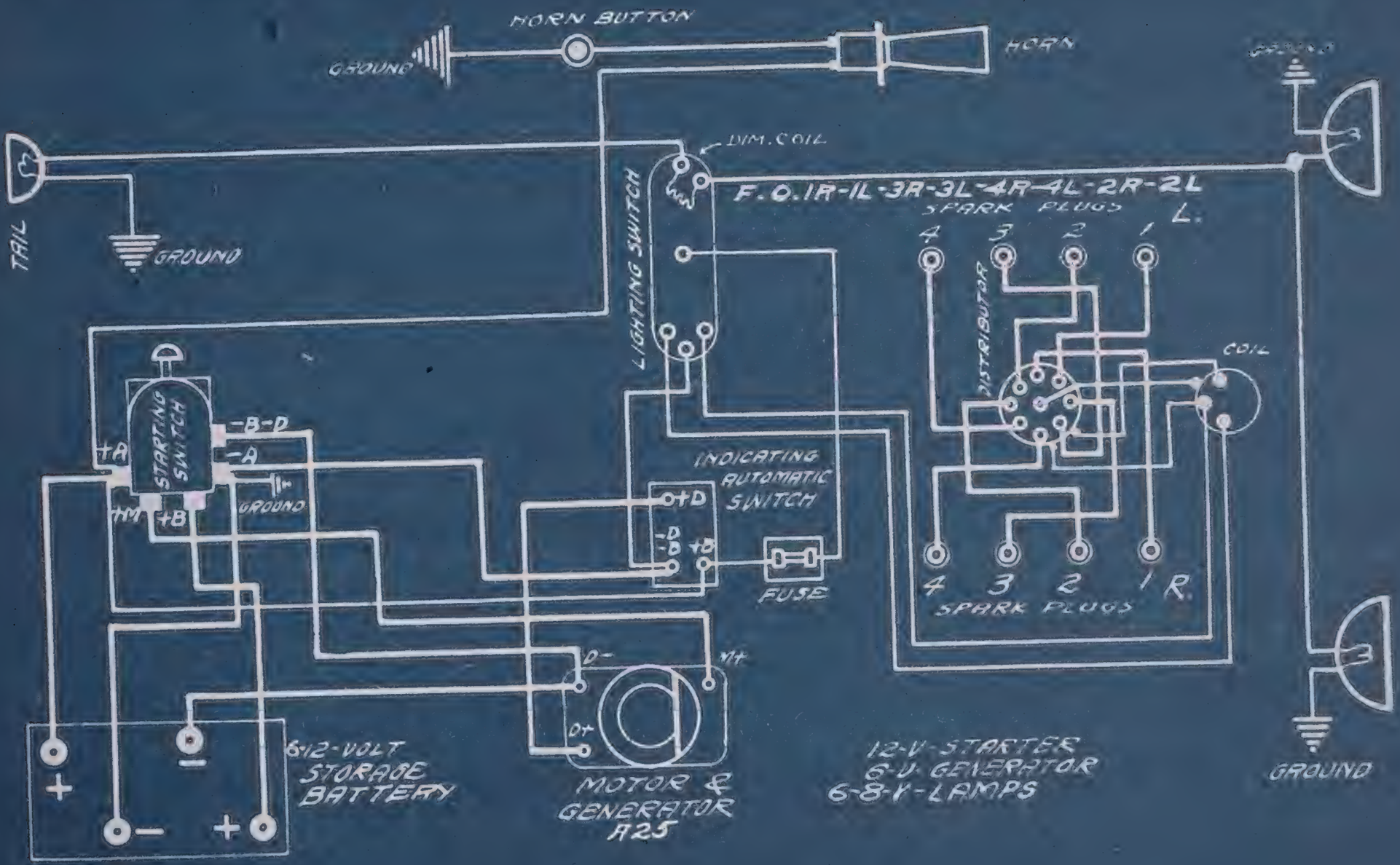
SPLITDORF-APELCO SYSTEM



BRISCOE 1916 4-38
SPLITDORF-APELCO SYSTEM



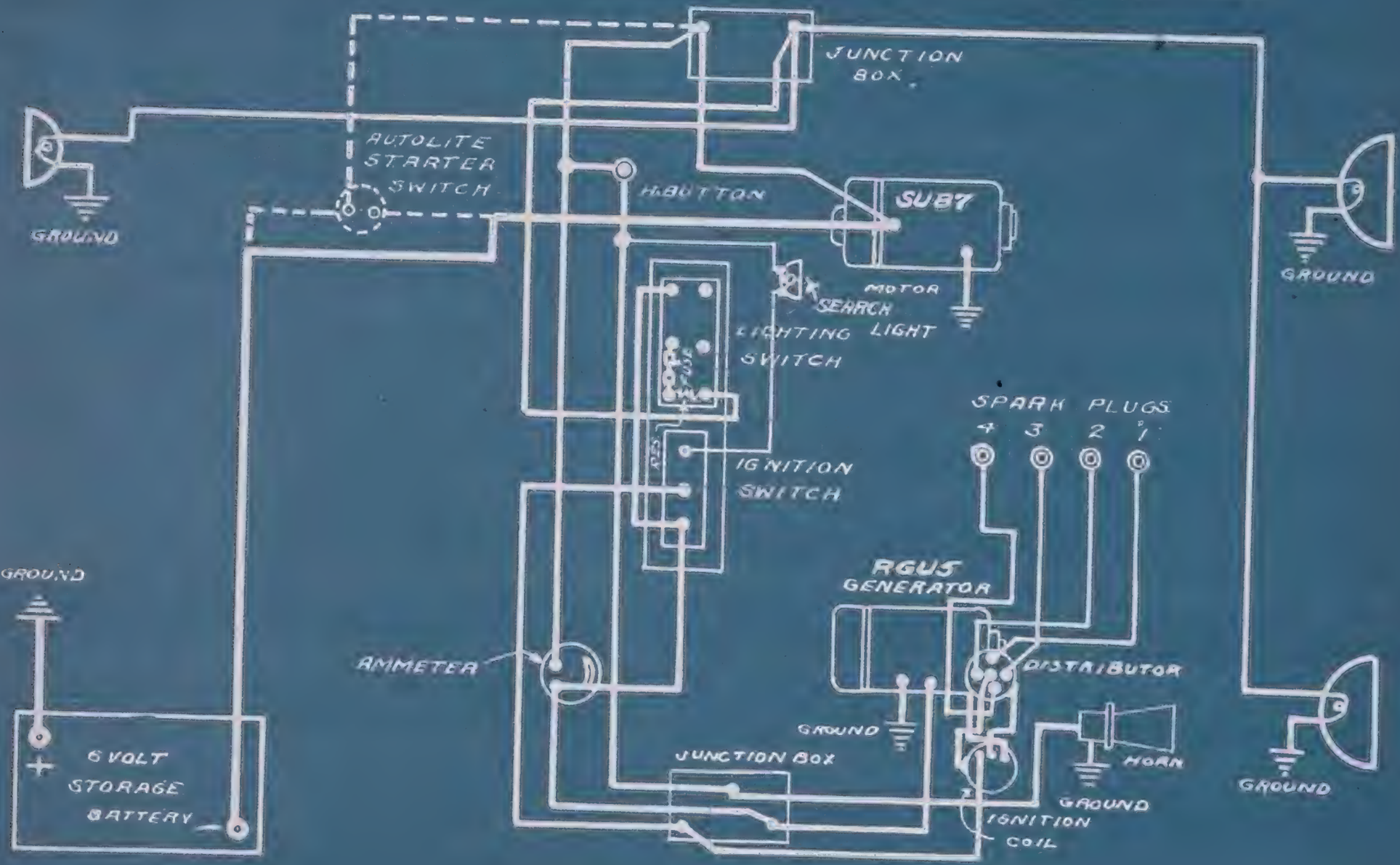
BRISCOE 1916 8-38
SPLITDORF-APELCO SYSTEM



BRISCOE 1917-1918-1919 "4-24"

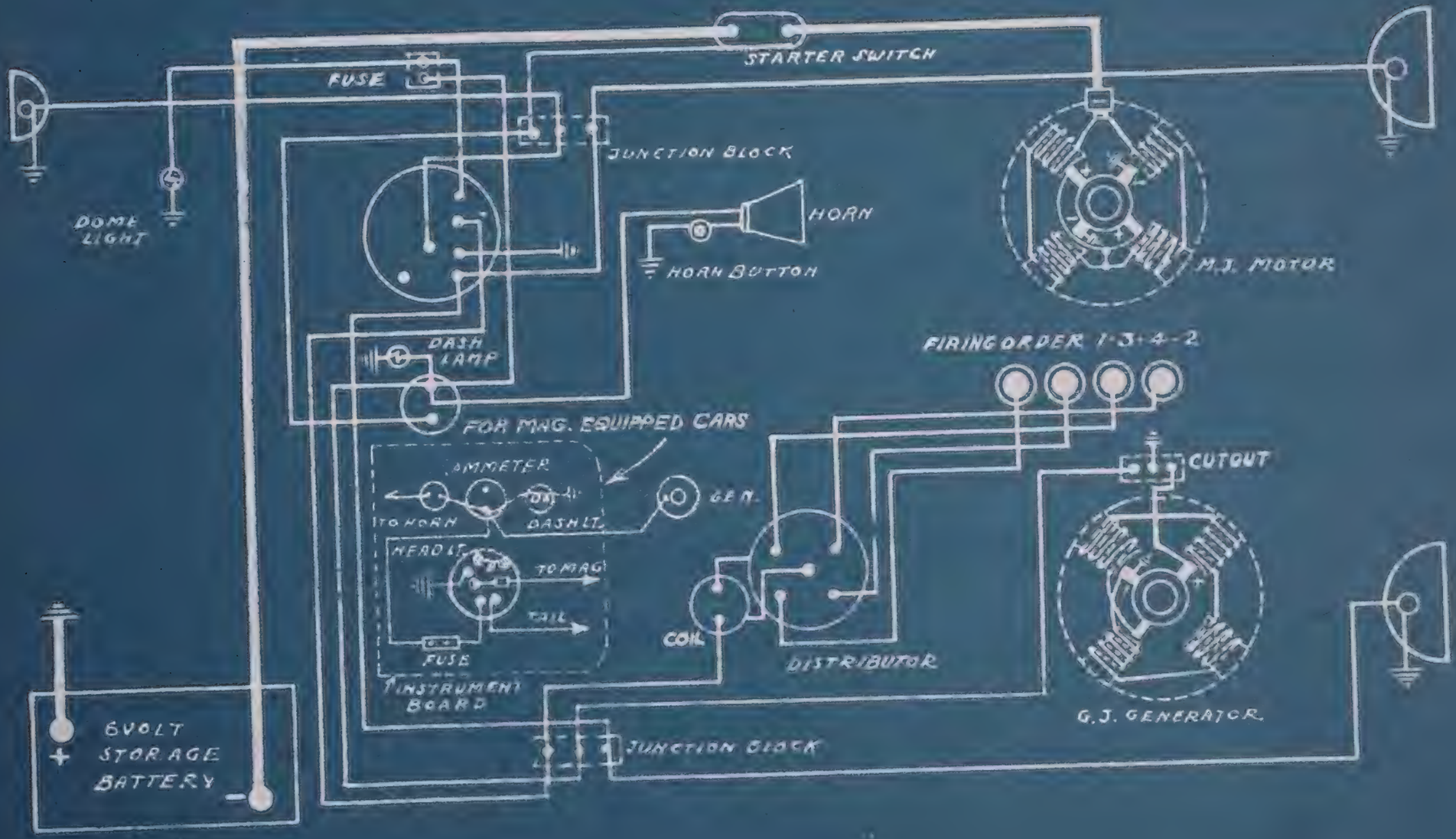
SPLITDORF-APELCO SYSTEM. CONNECTICUT IGNITION ON 1919 MODELS.

CHANGES IN WIRING FOR AUTOLITE SYSTEM ON 1918 MODELS SHOWN IN DOTTED LINES



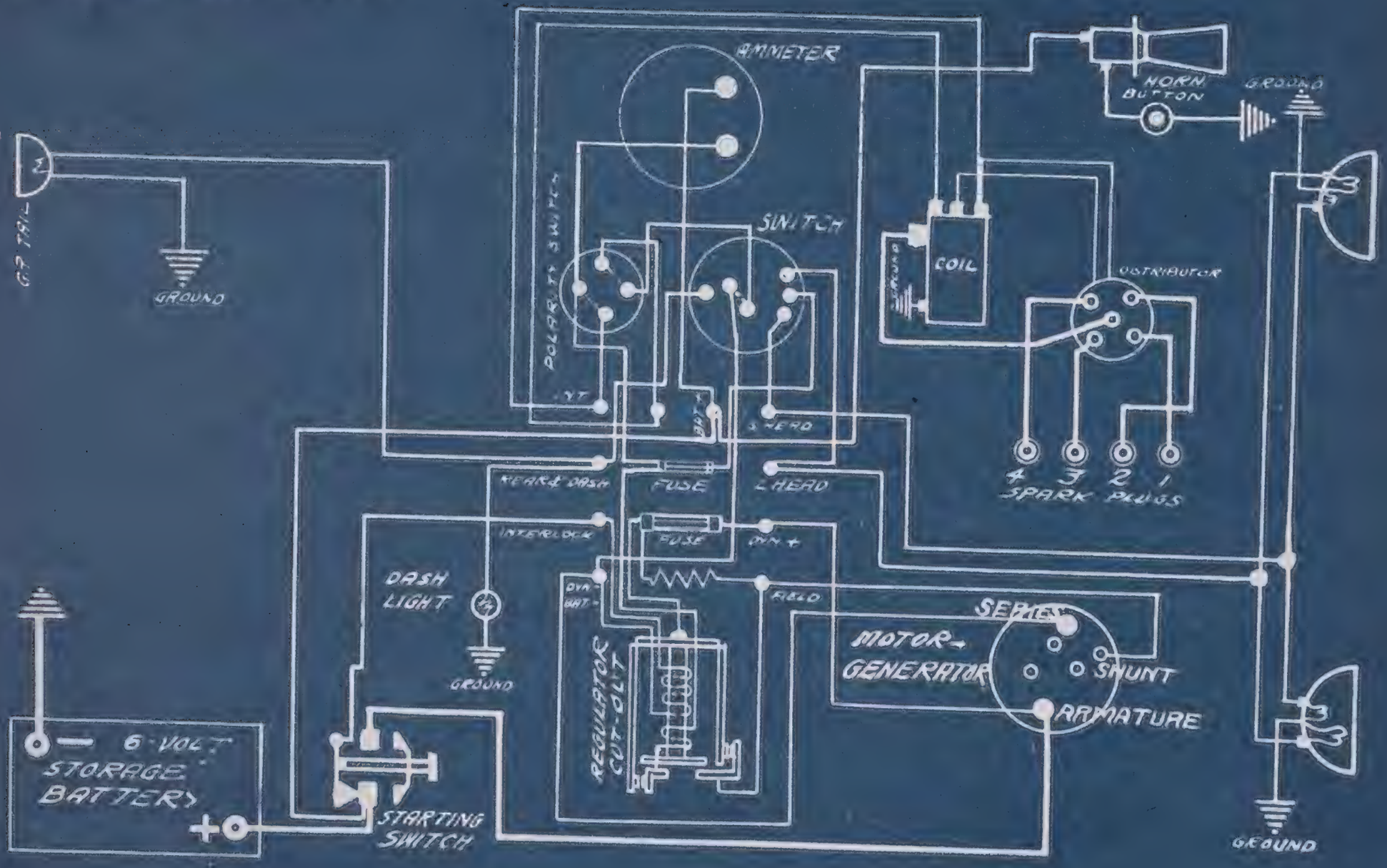
BRISCOE "4-34" 1920-1921

AUTO-LITE SYSTEM - CONN. IGN.



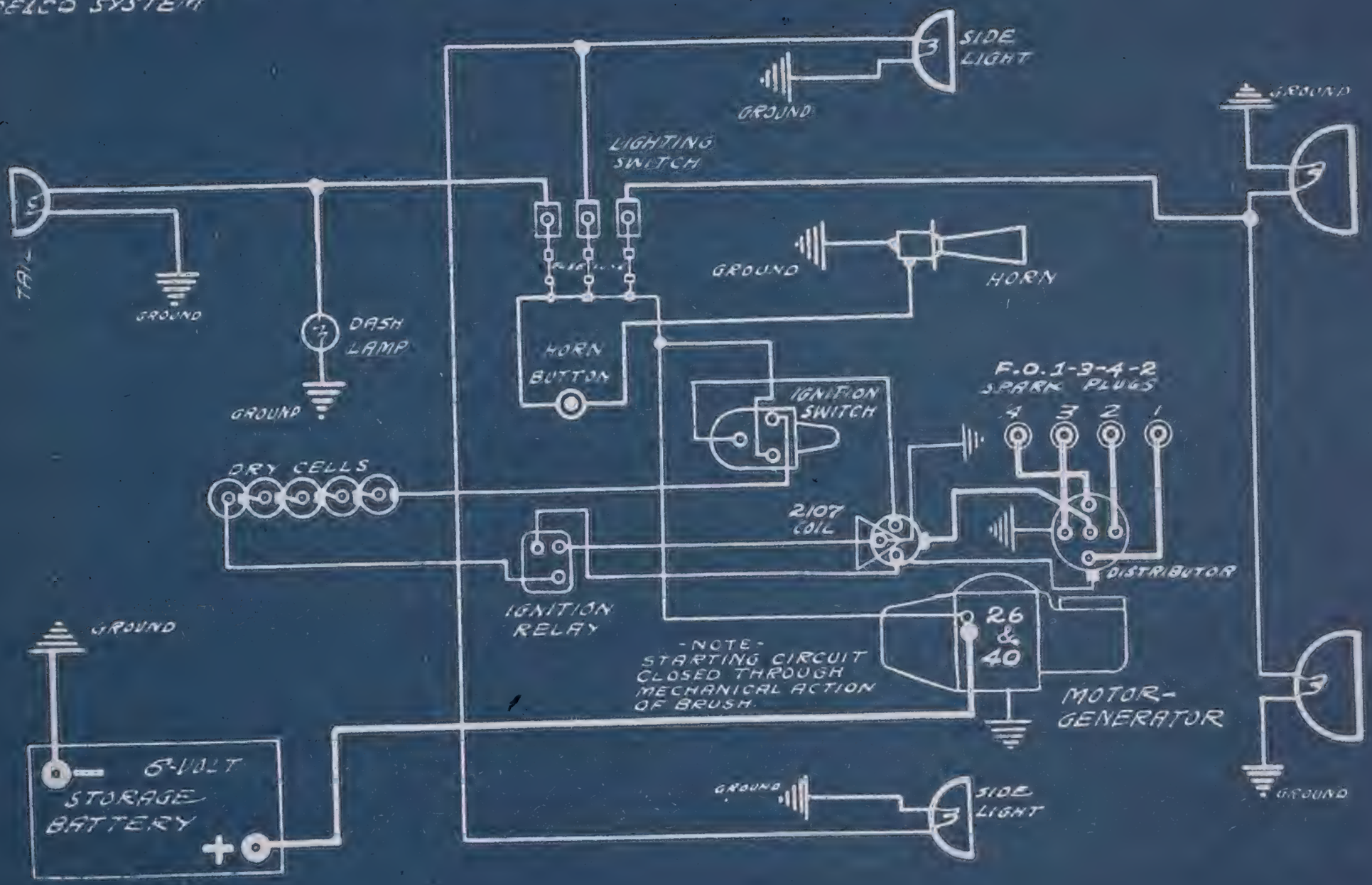
BROWN 1916

ALLIS-CHALMERS SYSTEM



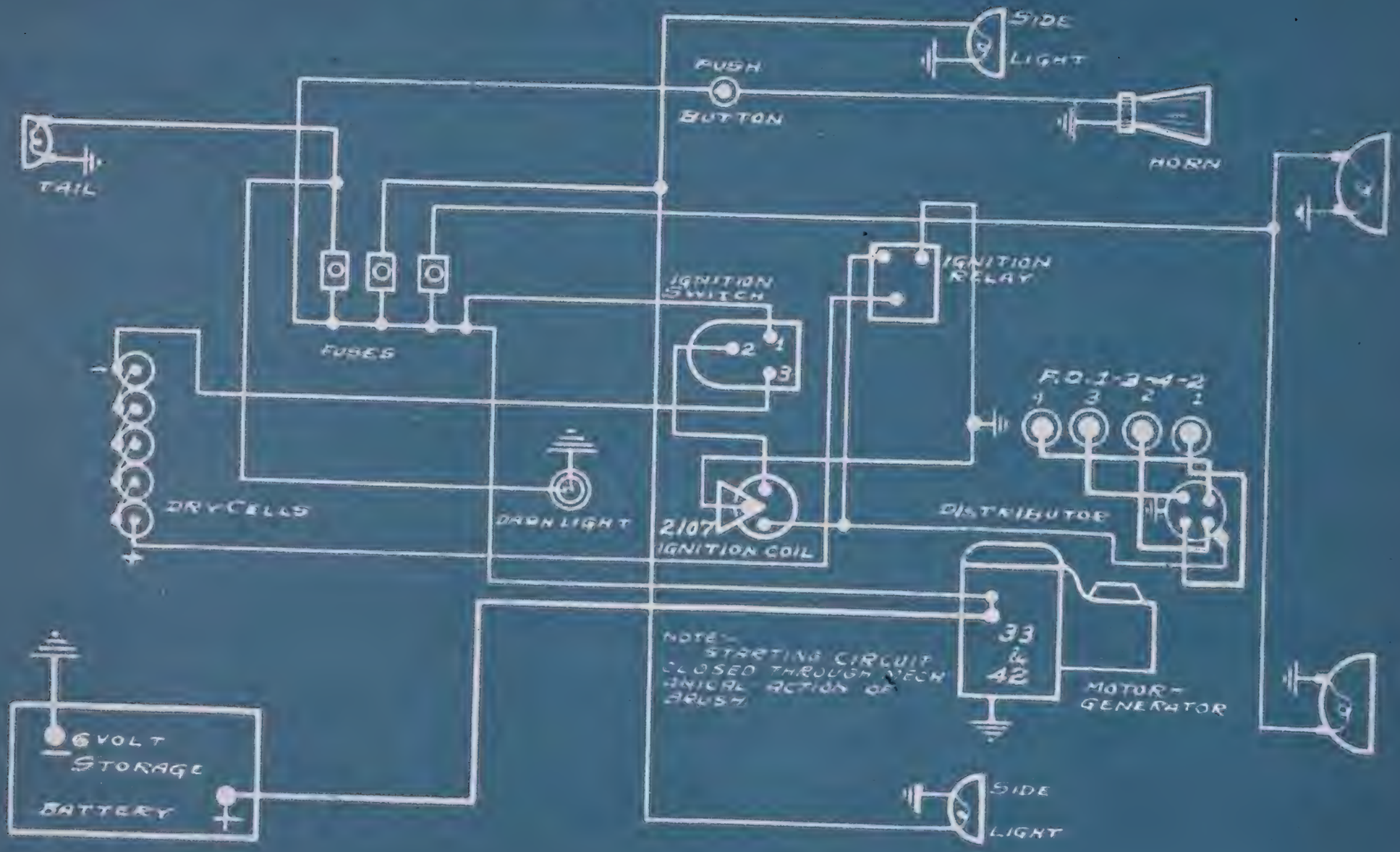
BUICK 1914 B-24 & B-25

DELCO SYSTEM



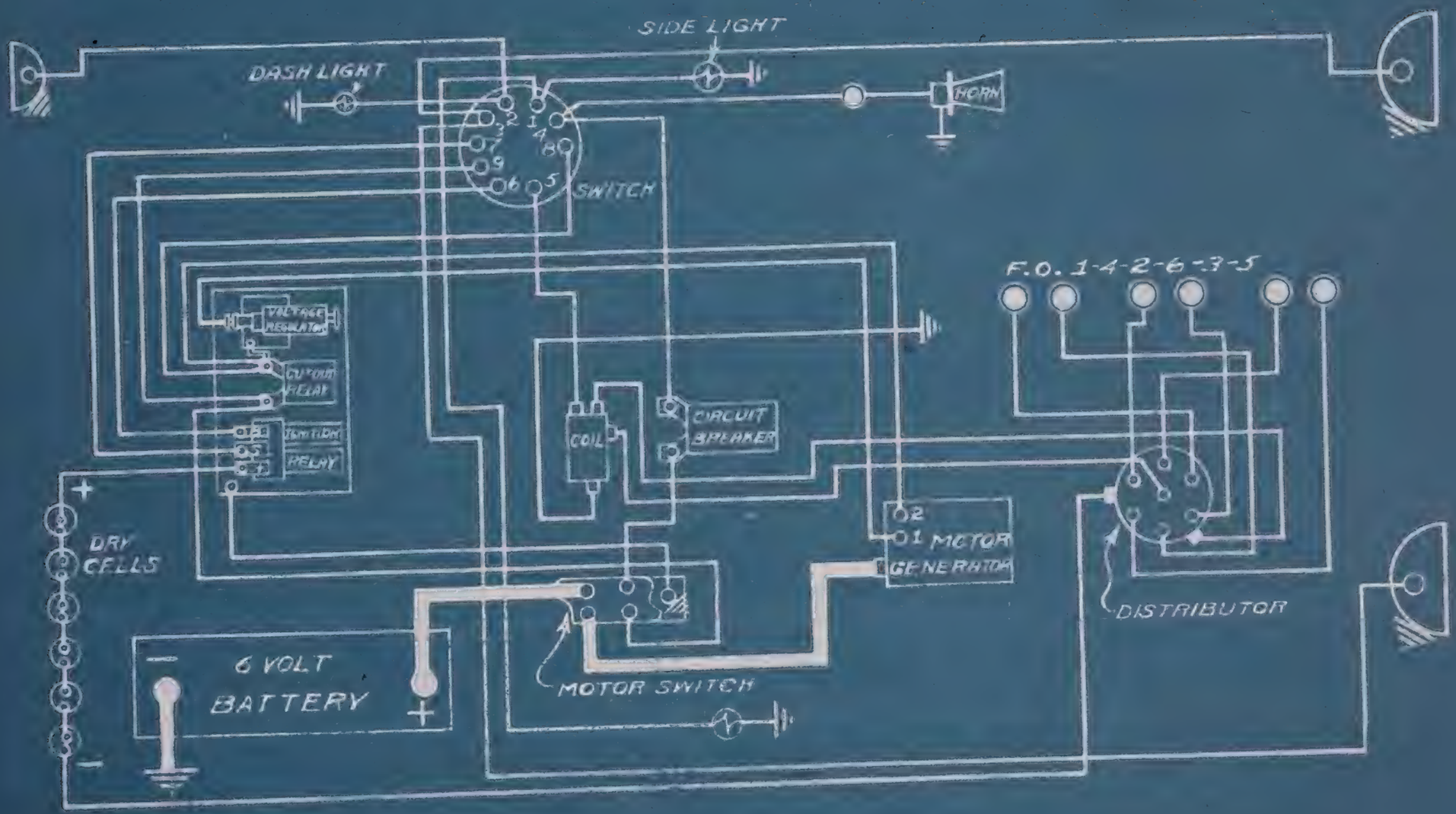
BUICK 1914 B-36-37

DELCO SYSTEM

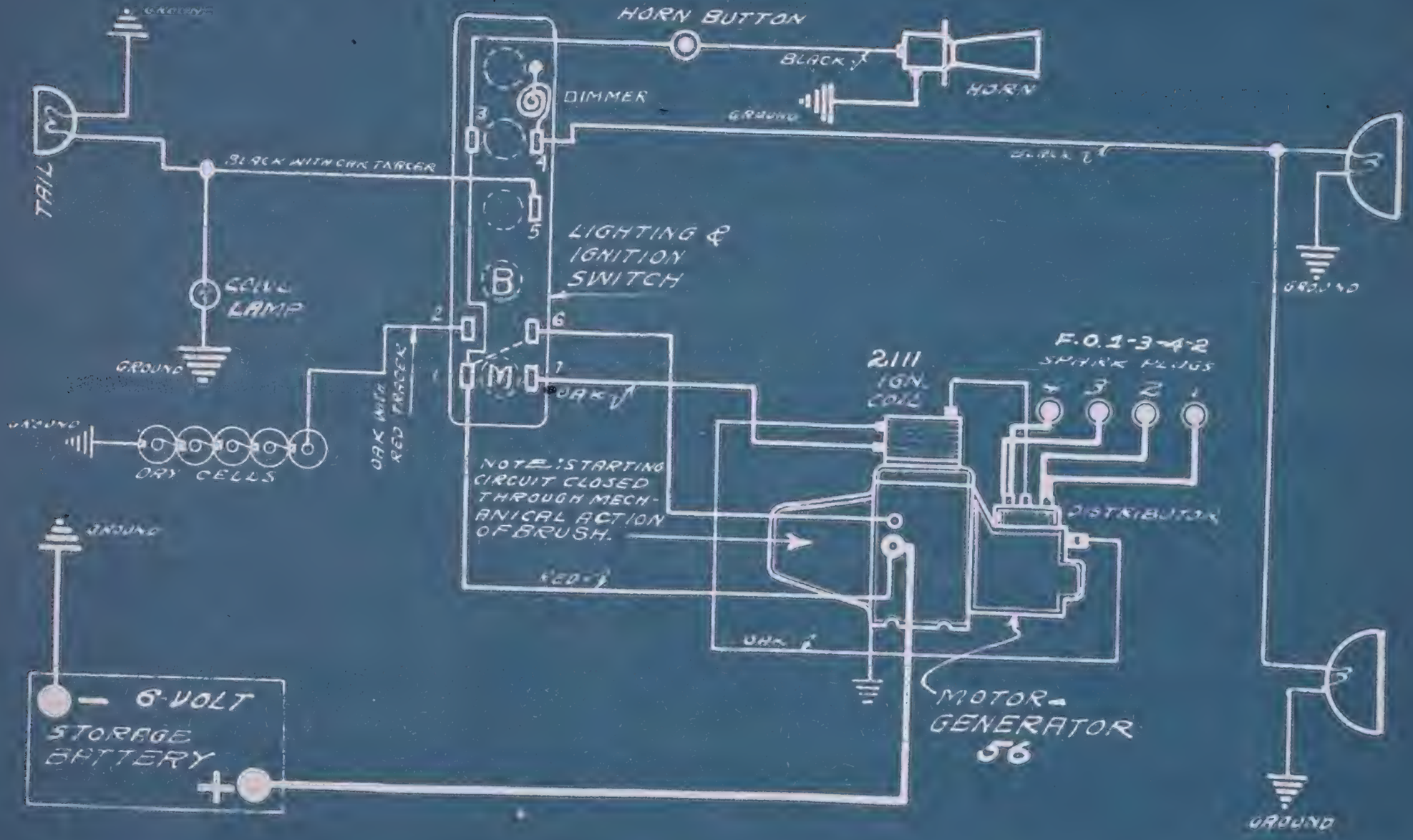


BUICK "B-54-55" 1914

DELCO SYSTEM

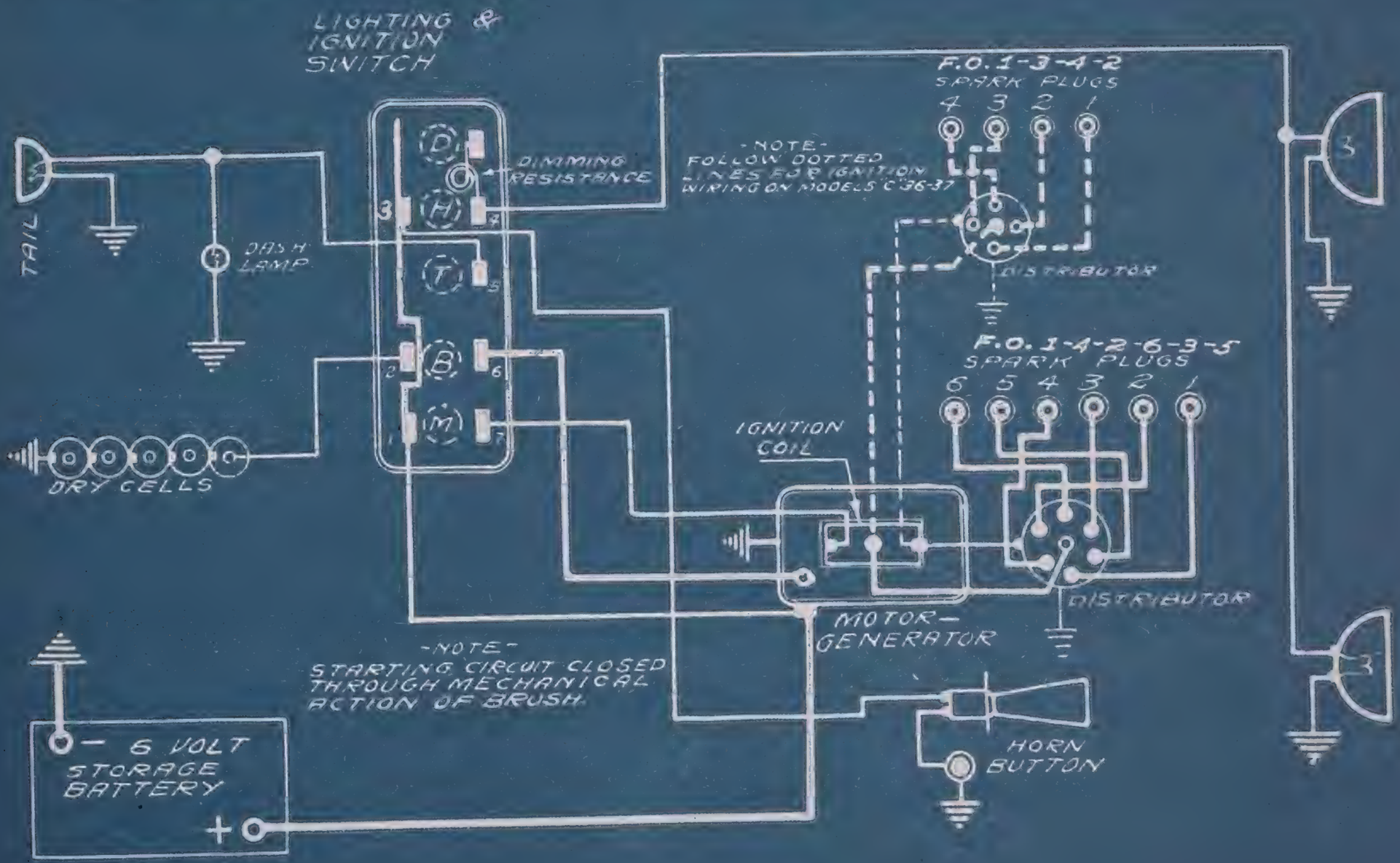


BUICK 1915 C-24 & C-25
DELCO SYSTEM



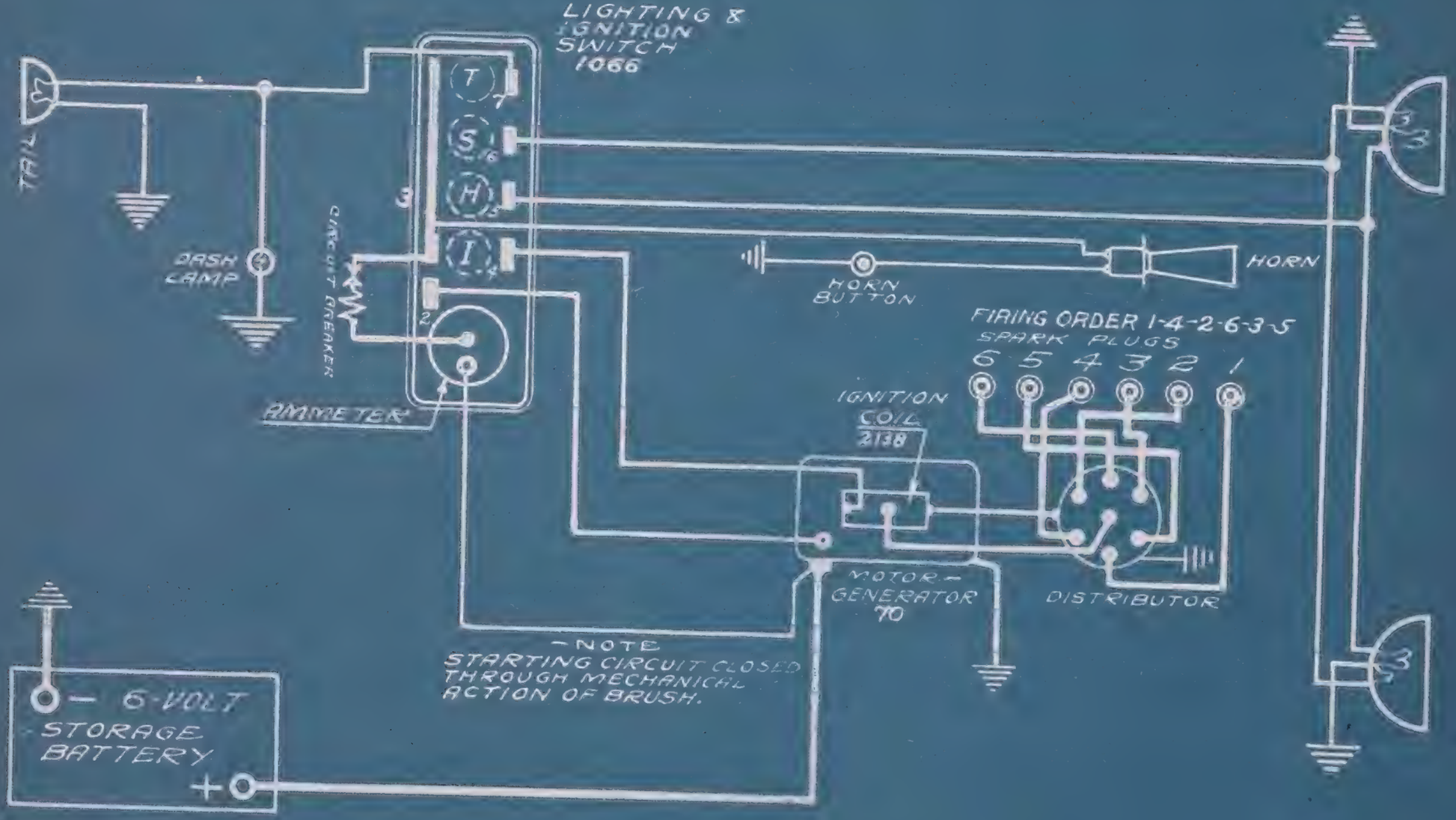
BUICK 1915 "C" 36-37-54-55

DELCO SYSTEM

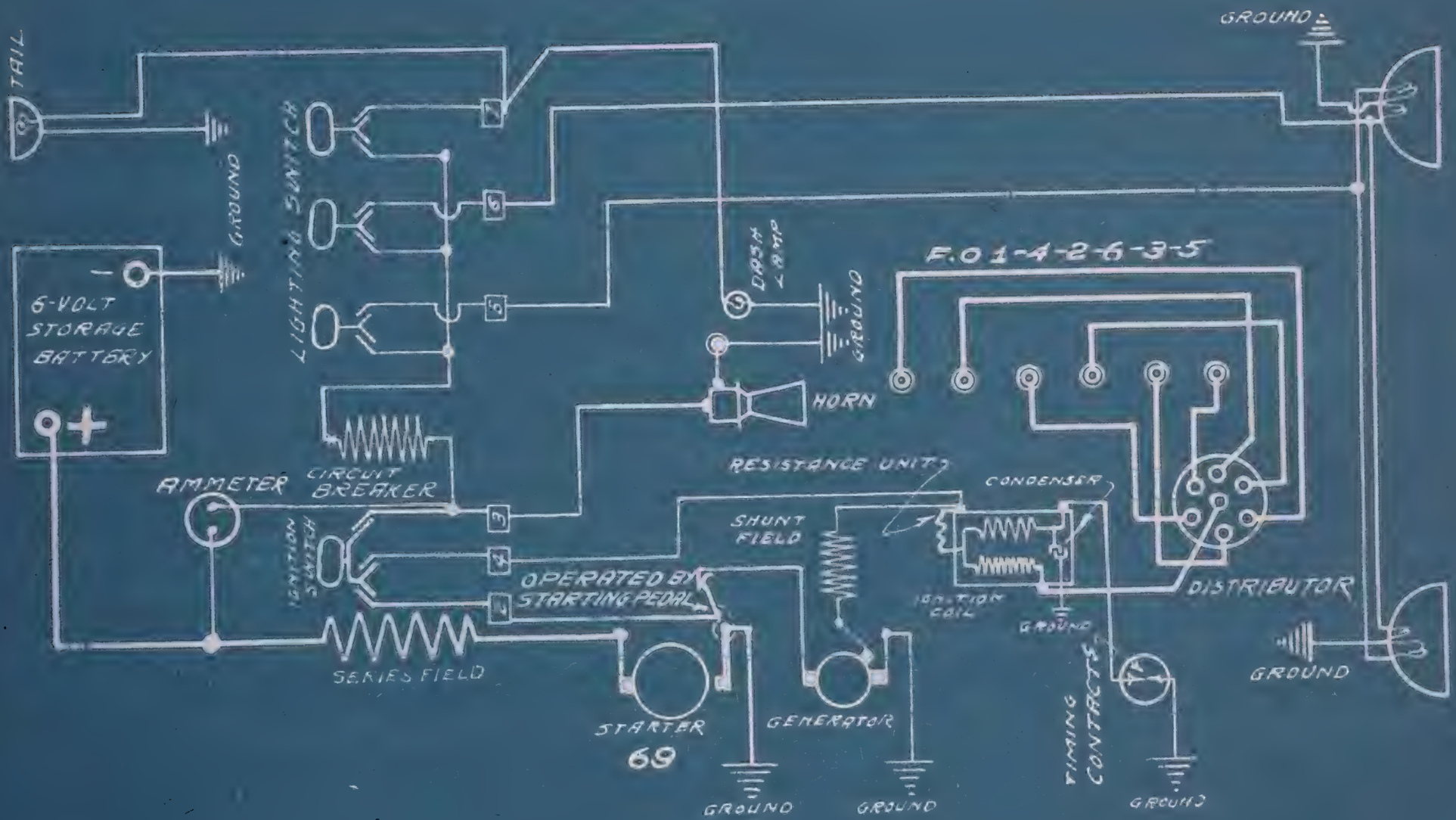


BUICK 1916 D-44-45-54-55 1917 D-6-44-45-46-47

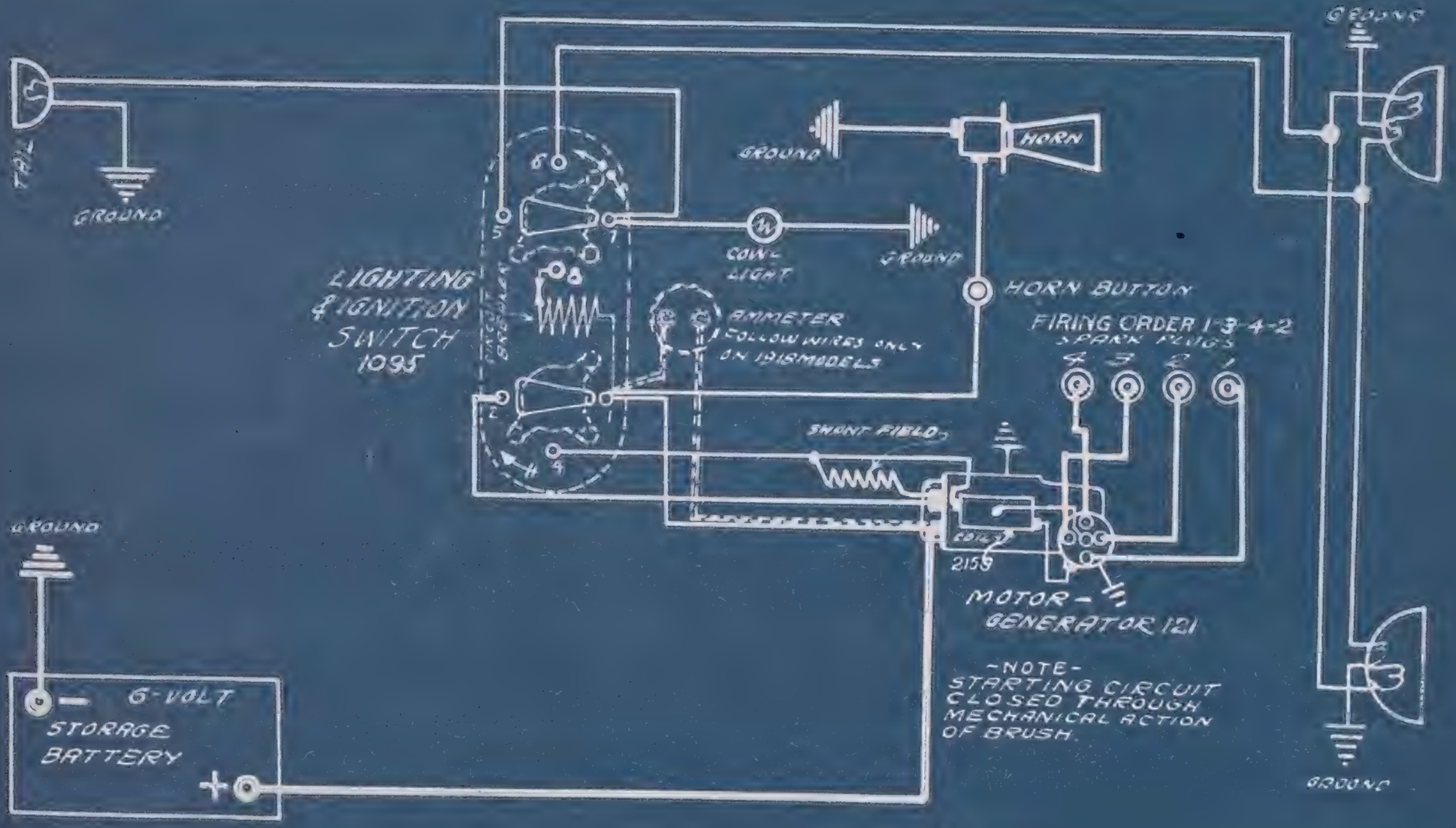
DELCO SYSTEM



BUICK 1916 54-55
DELCO SYSTEM

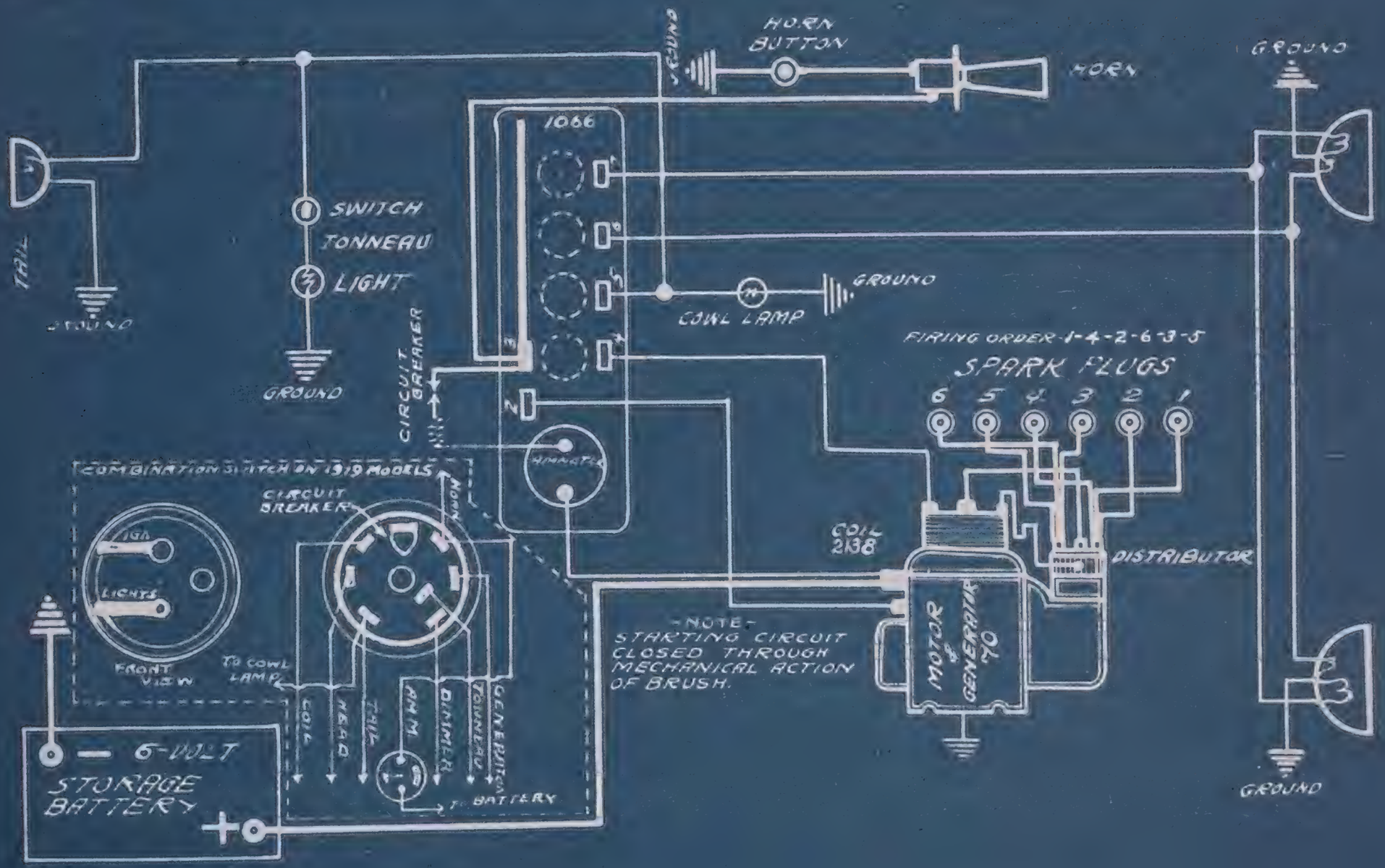


BUICK 1917, D-34-D-35 = 1918, E-34 — E-35
DELCO SYSTEM

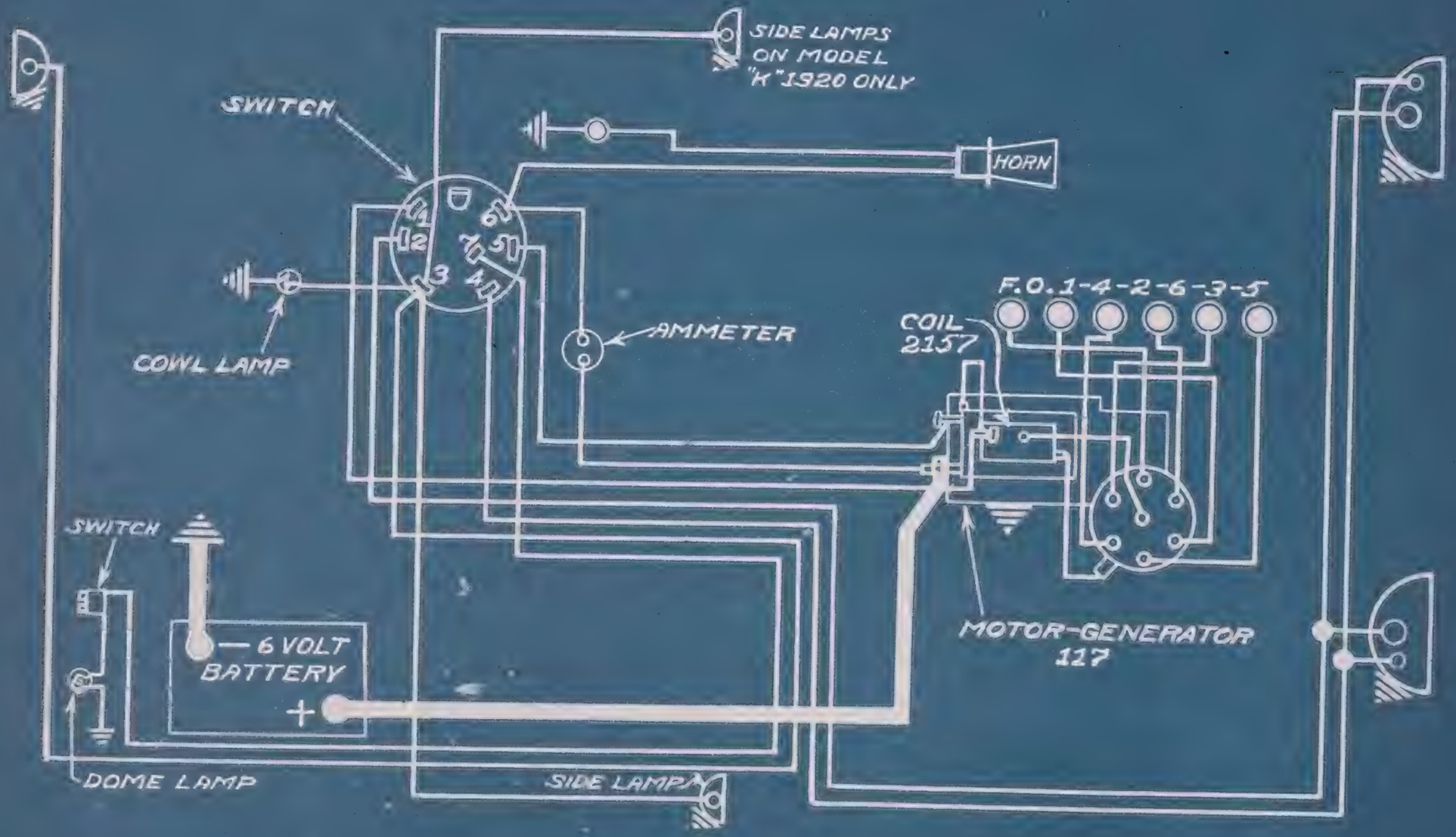


BUICK- 1918 E-SIX-44,45,46,47,49, & 50

DELCO SYSTEM

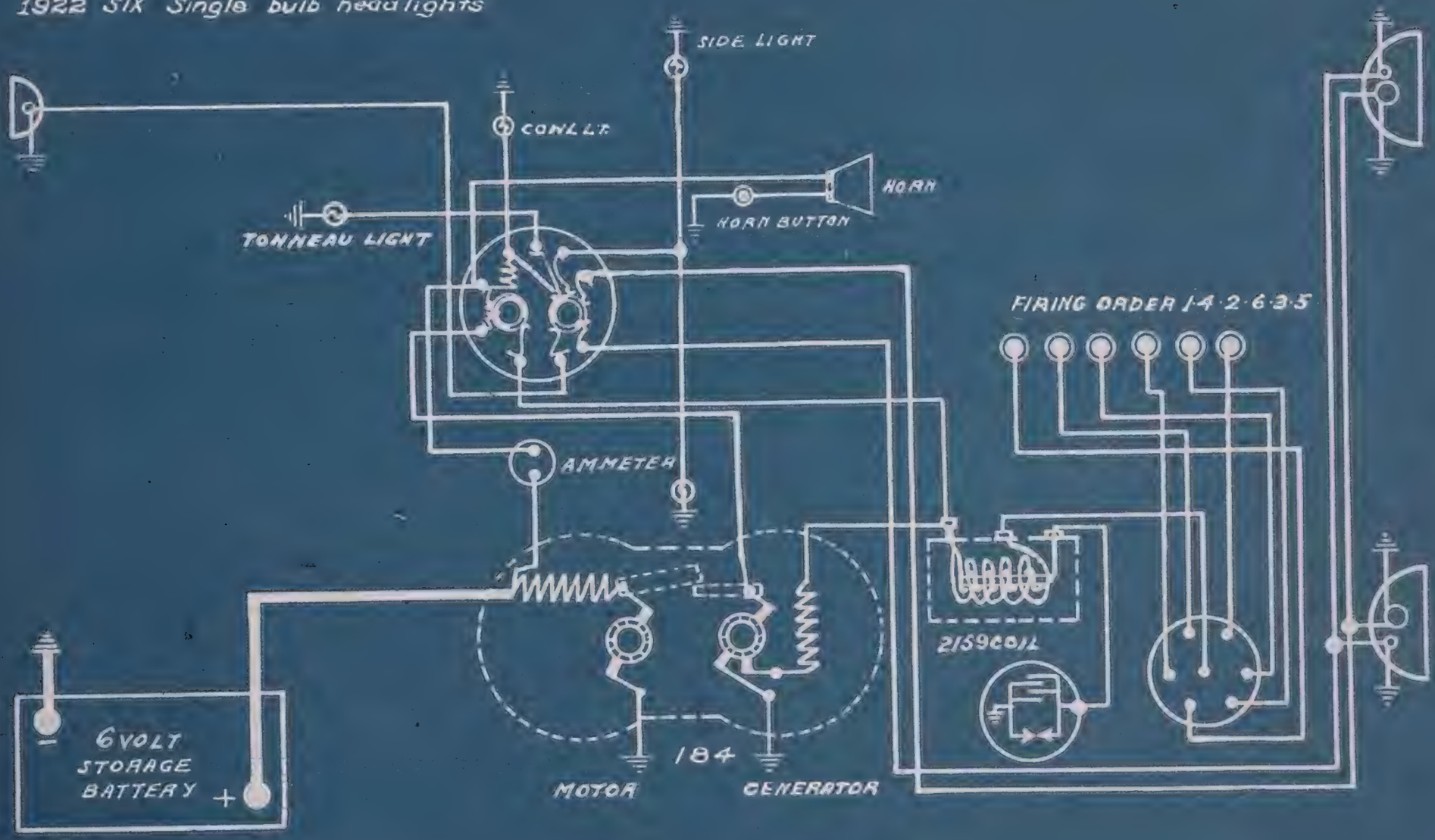


BUICK "H" 1919 & "K" 1920
DELCO SYSTEM



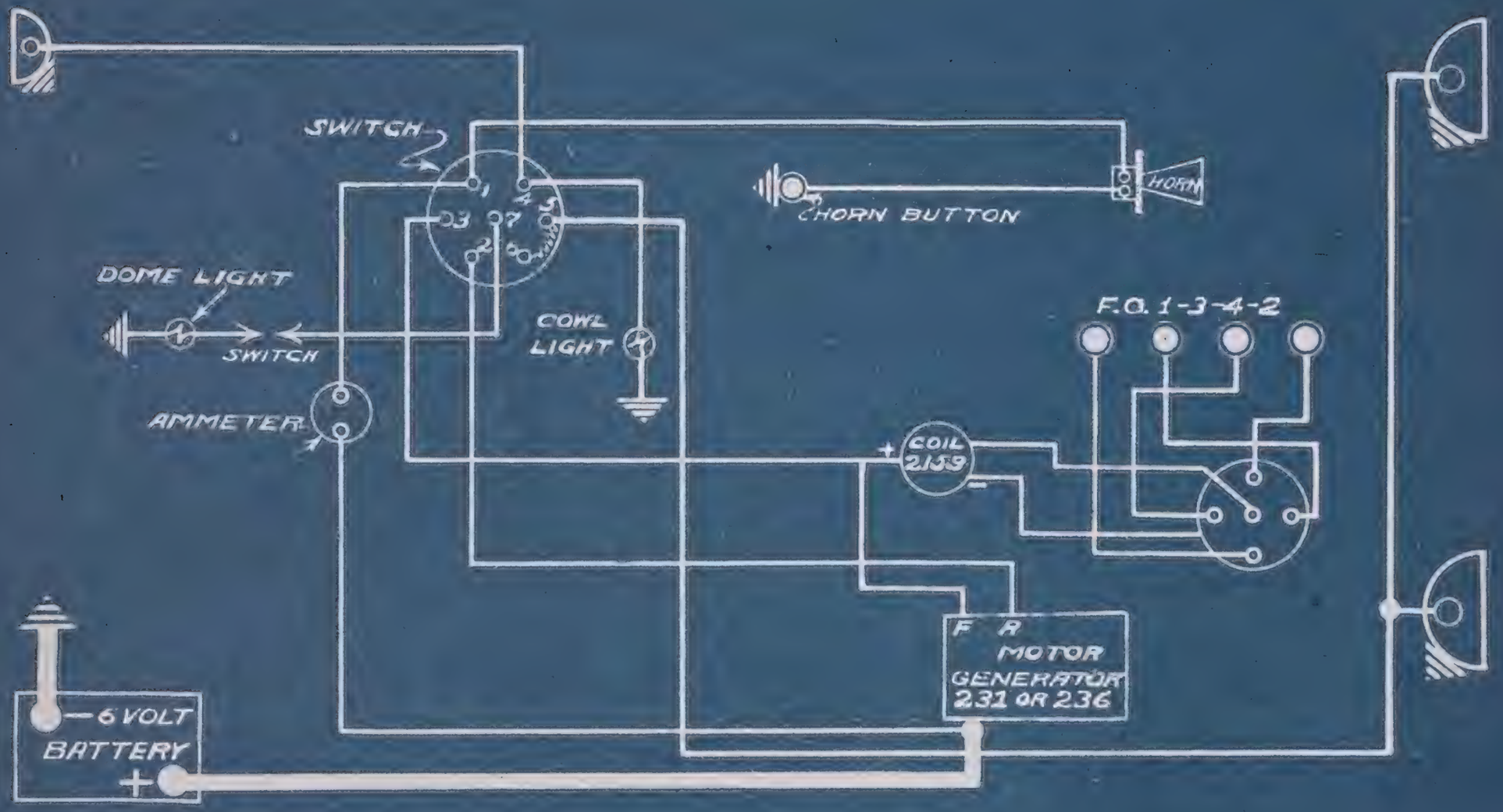
BUICK "44 to 50" 1921-22
DELCO SYSTEM

1922 "SIX" Single bulb headlights

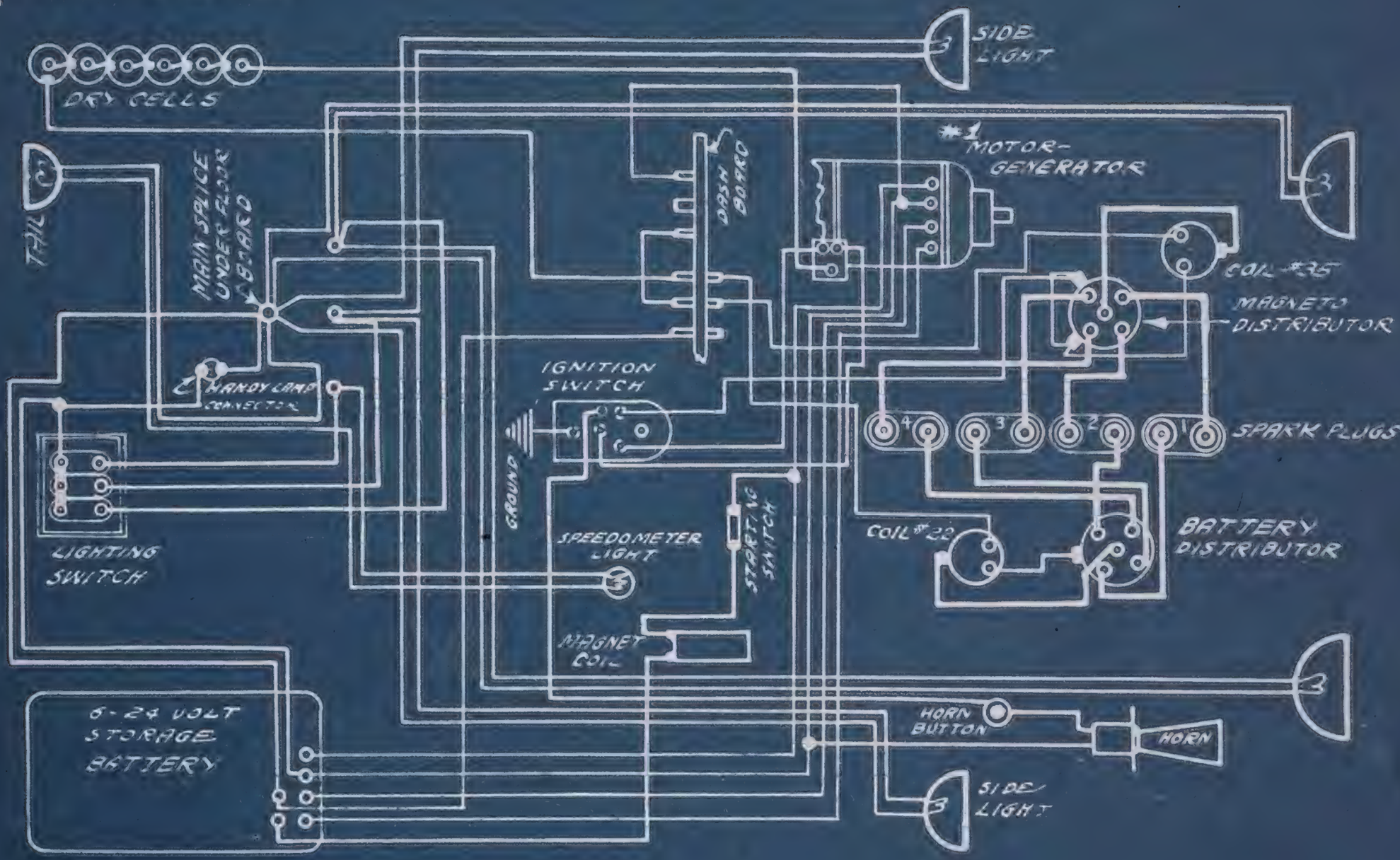


BUICK "34-35-36-37" 1922

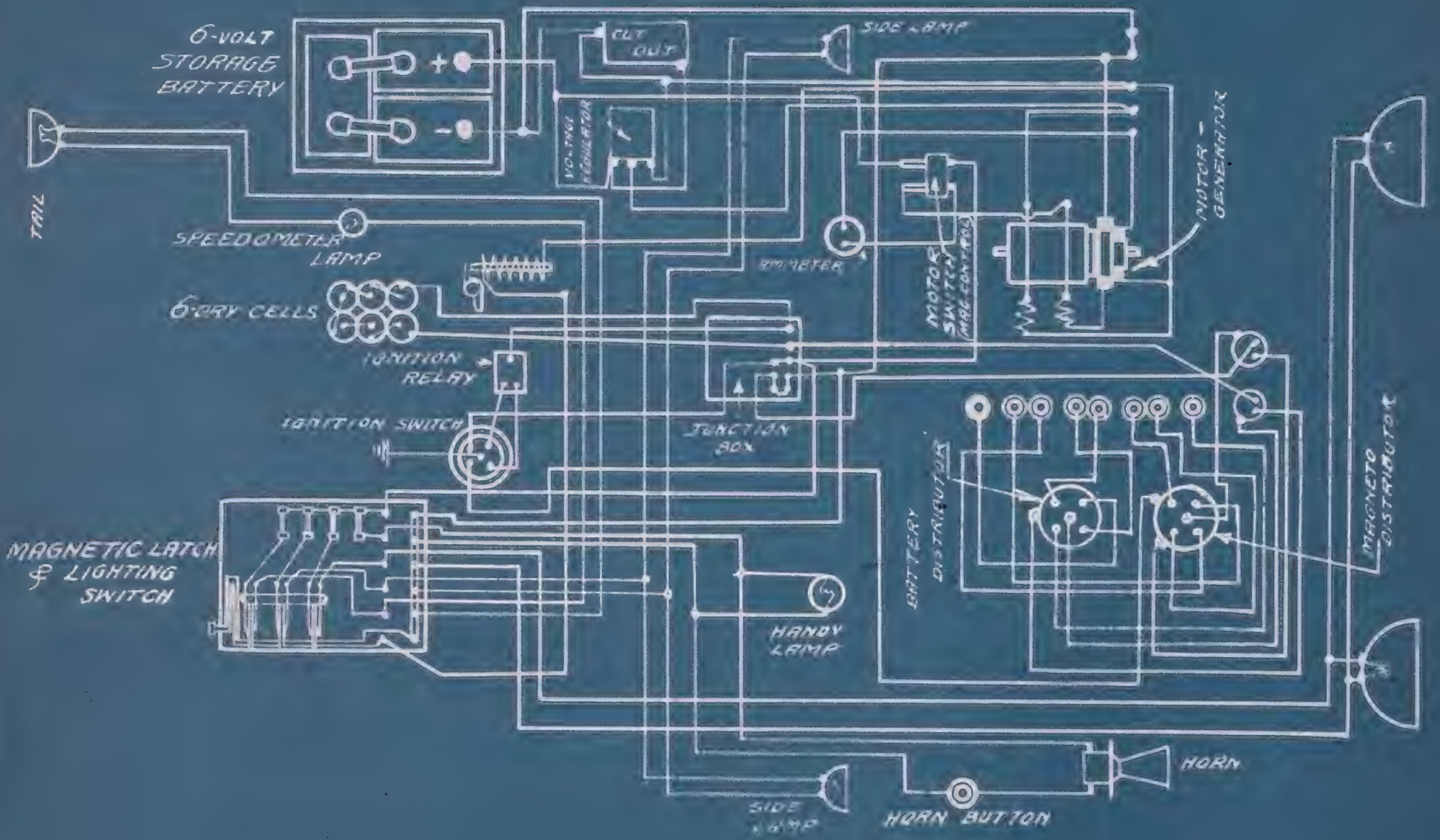
DELCO SYSTEM

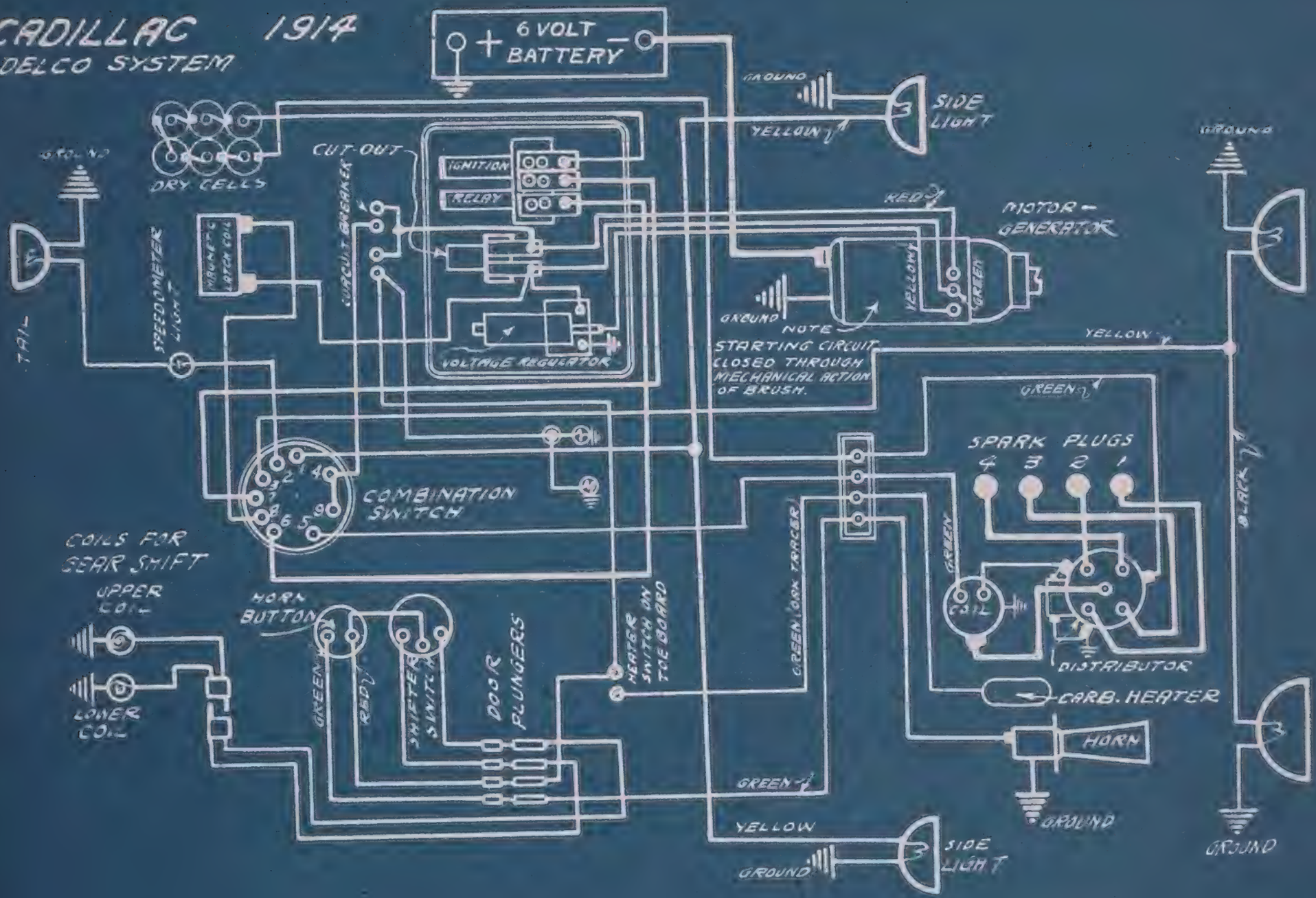


CADILLAC 1912
DELCO SYSTEM



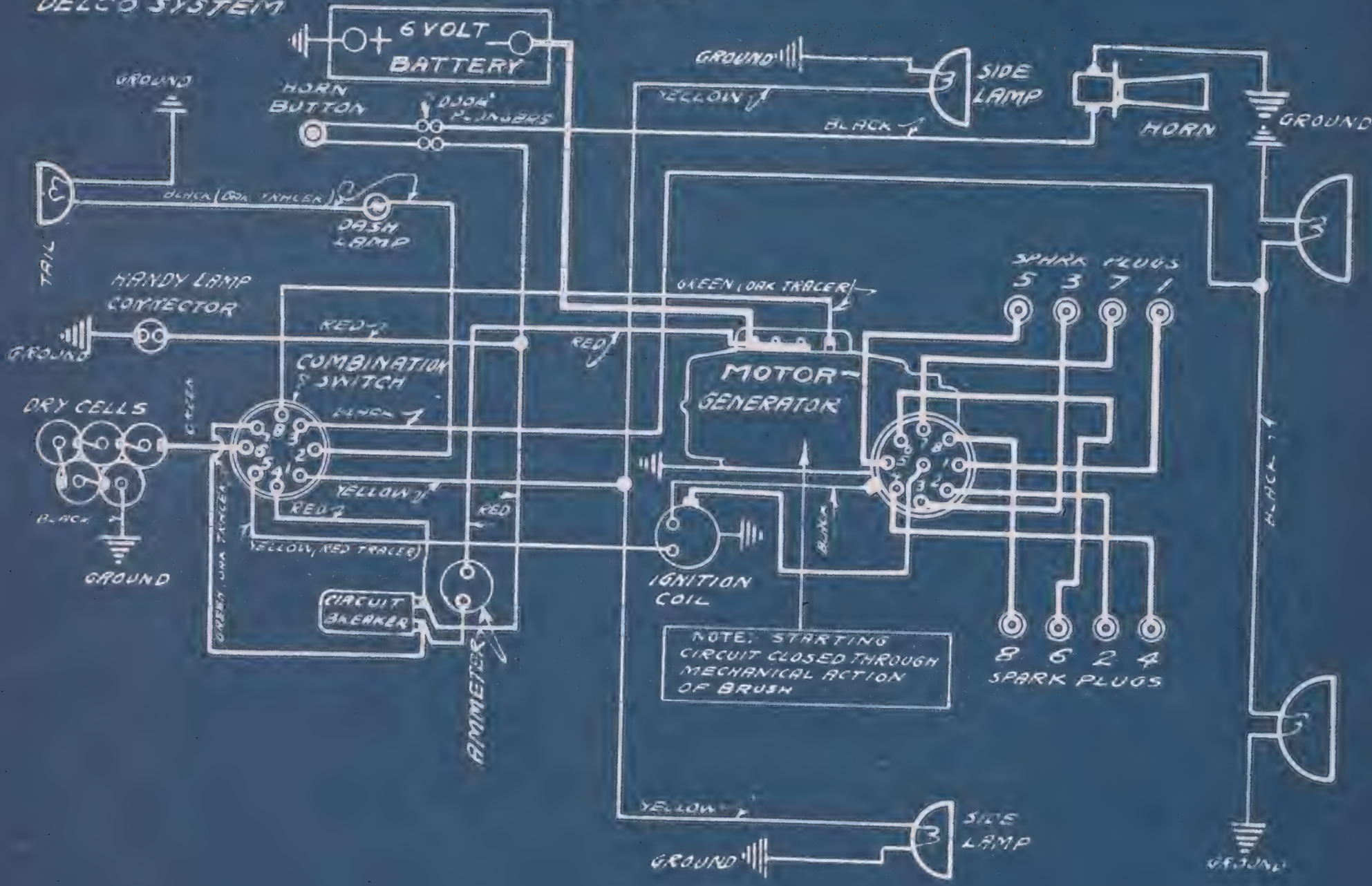
CADILLAC 1913 MODEL
DELCO SYSTEM



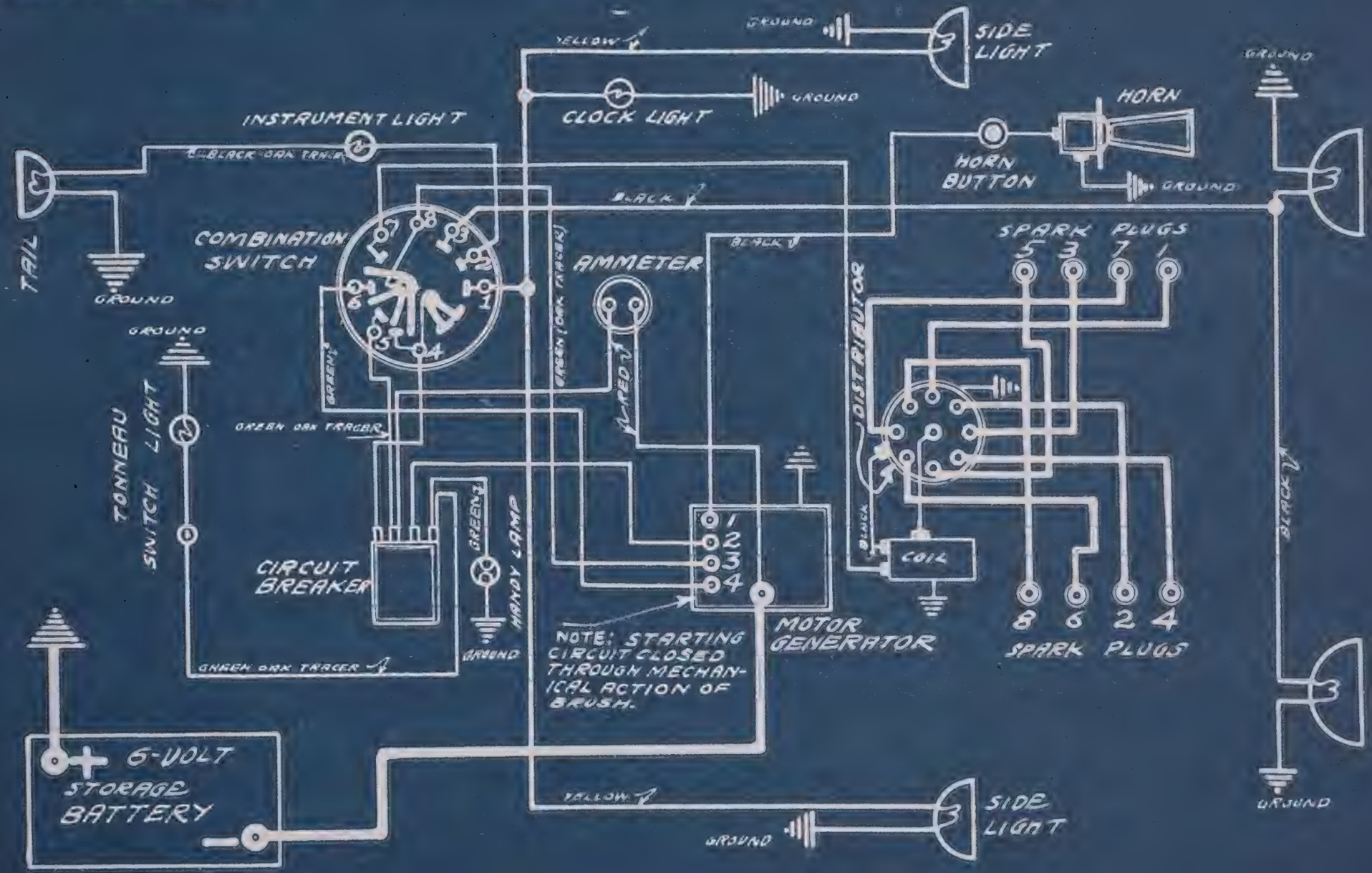

CADILLAC 1914
DELCO SYSTEM
6 VOLT BATTERY
GROUND
SIDE LIGHT
YELLOW
GROUND
DRY CELLS
CUT-OUT
IGNITION
RELAY
RED
MOTOR-GENERATOR
GROUND
YELLOW
GREEN
NOTE
STARTING CIRCUIT CLOSED THROUGH MECHANICAL ACTION OF BRUSH.
YELLOW
TAIL
SPEEDOMETER LIGHT
MAGNETIC LATCH COIL
CIRCUIT BREAKER
VOLTAGE REGUERATOR
GREEN
SPARK PLUGS
4 3 2 1
BLACK
COMBINATION SWITCH
COILS FOR GEAR SHIFT
UPPER COIL
LOWER COIL
HORN BUTTON
GREEN
RED
SHIFTER SWITCH
DOOR PLUNGERS
HEATER SWITCH ON TOE BOARD
GREEN WITH BLACK TRACER
GREEN
COIL
DISTRIBUTOR
CARB. HEATER
HORN
GREEN
GROUND
YELLOW
GROUND
SIDE LIGHT
GROUND

CADILLAC 1915 "8" TYPE 51

DELCO SYSTEM

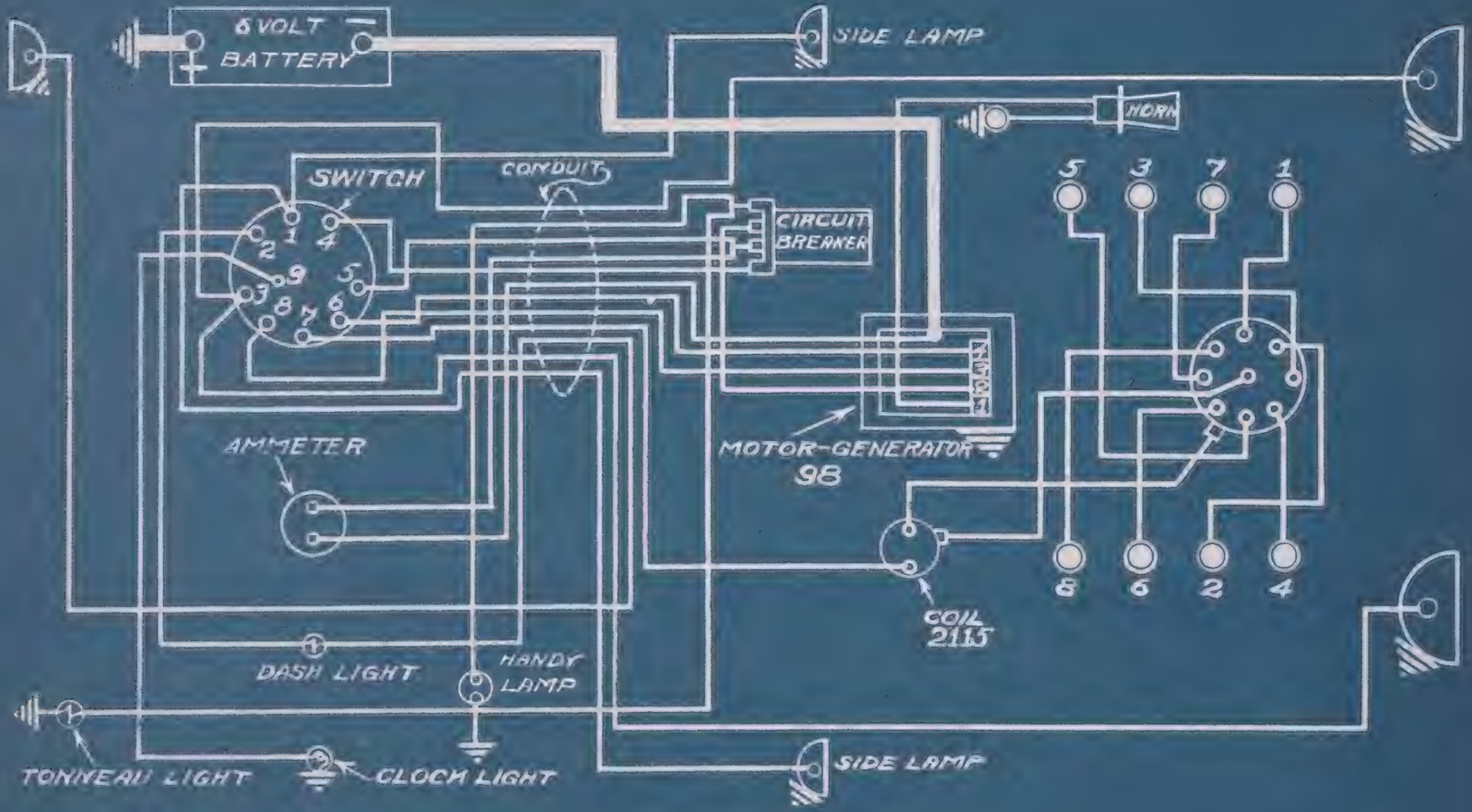


CADILLAC 1916 "8" TYPE 53
DELCO SYSTEM



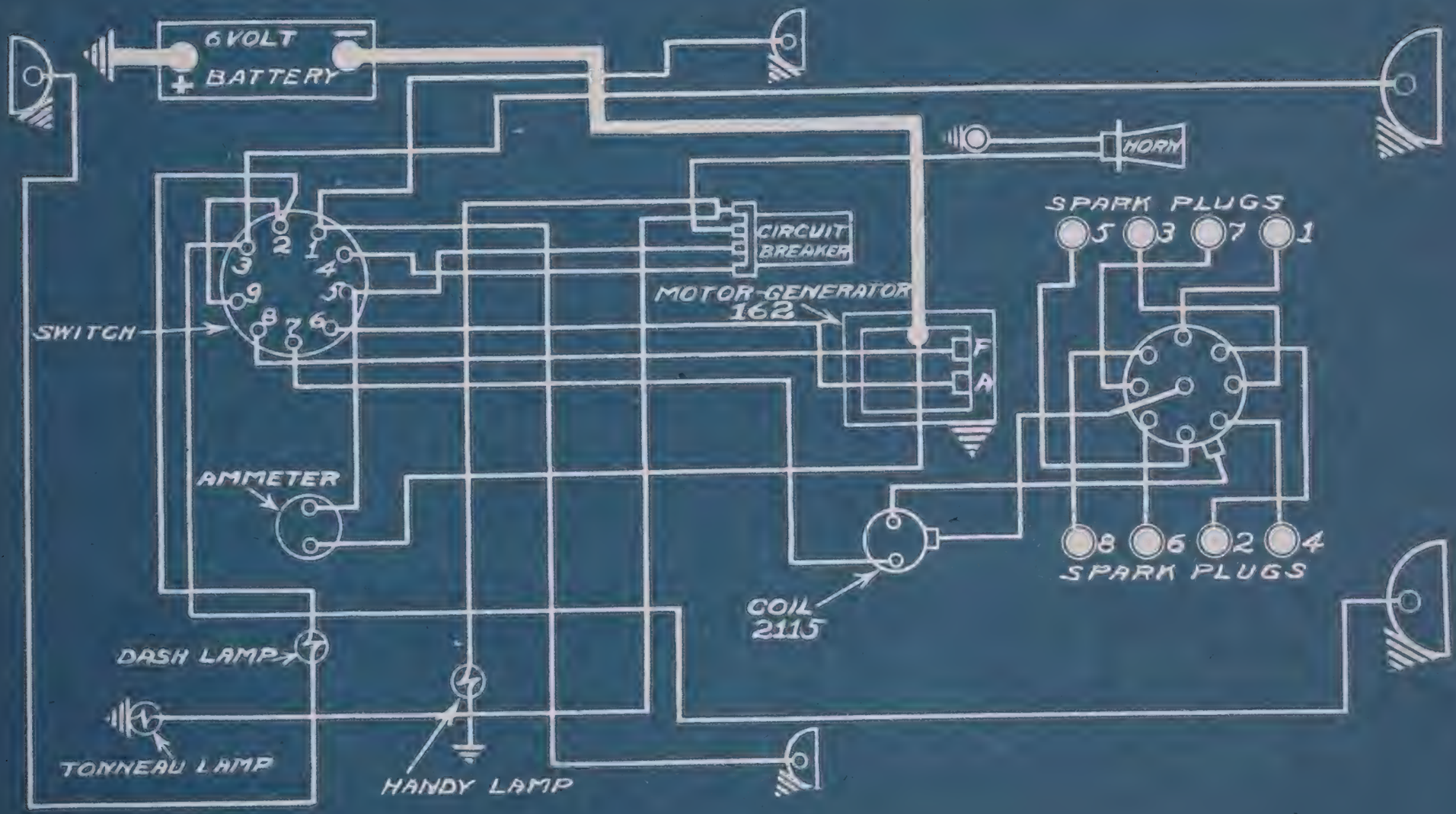
CADILLAC "55-57" 1917-18-19

DELCO SYSTEM

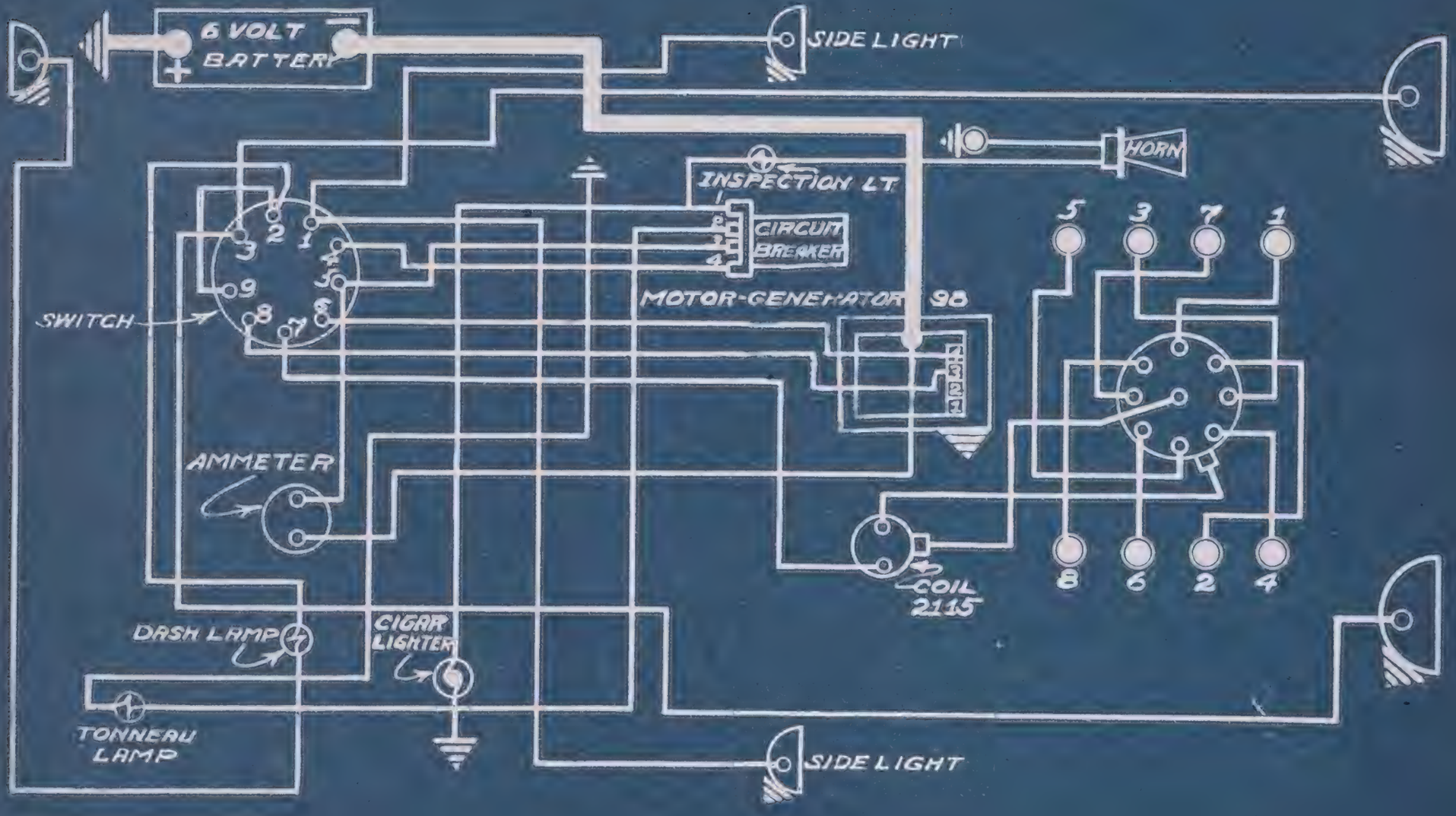


CADILLAC "59" 1920-21

DELCO SYSTEM

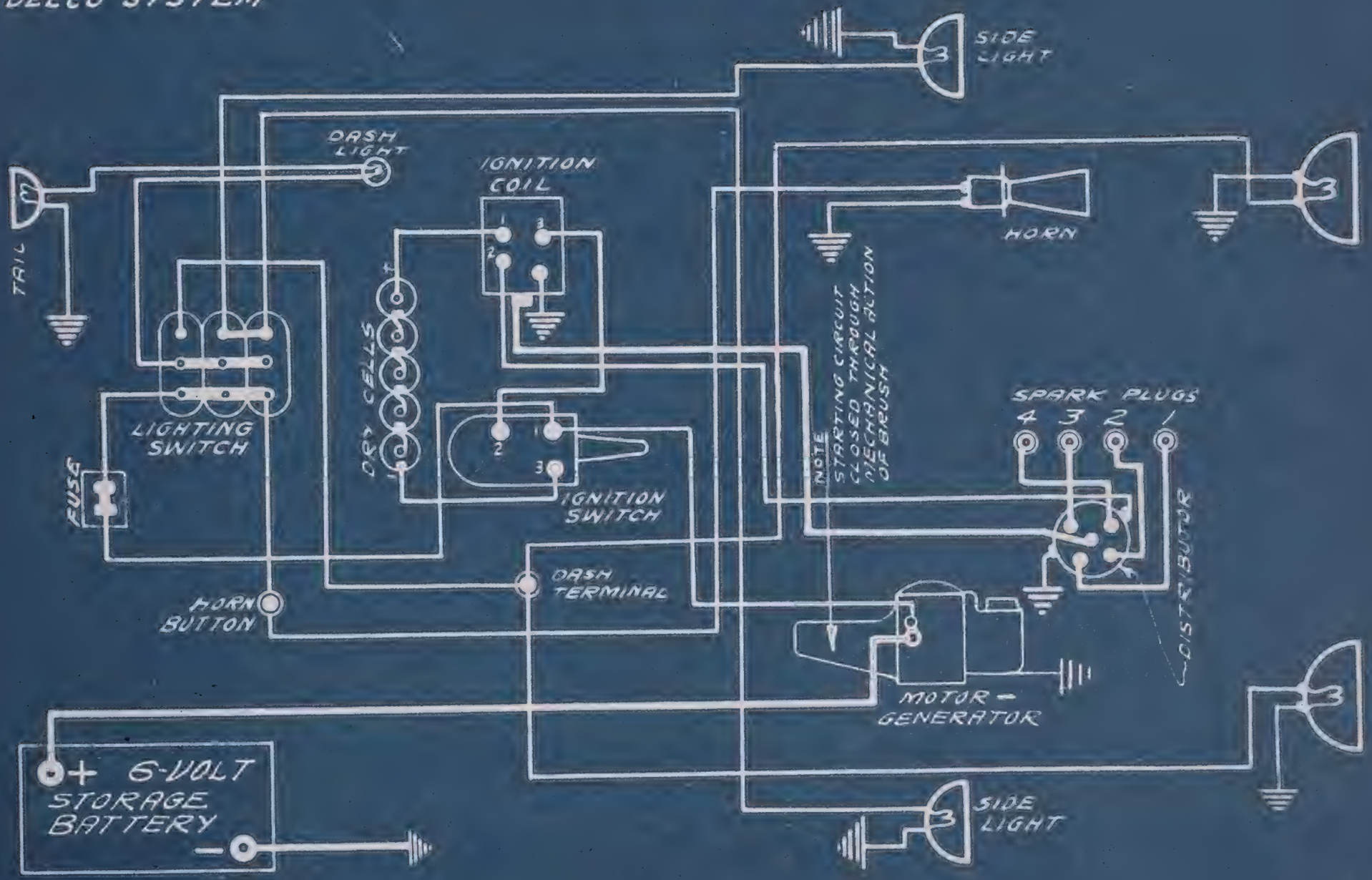


CADILLAC "61" 1922
DELCO SYSTEM



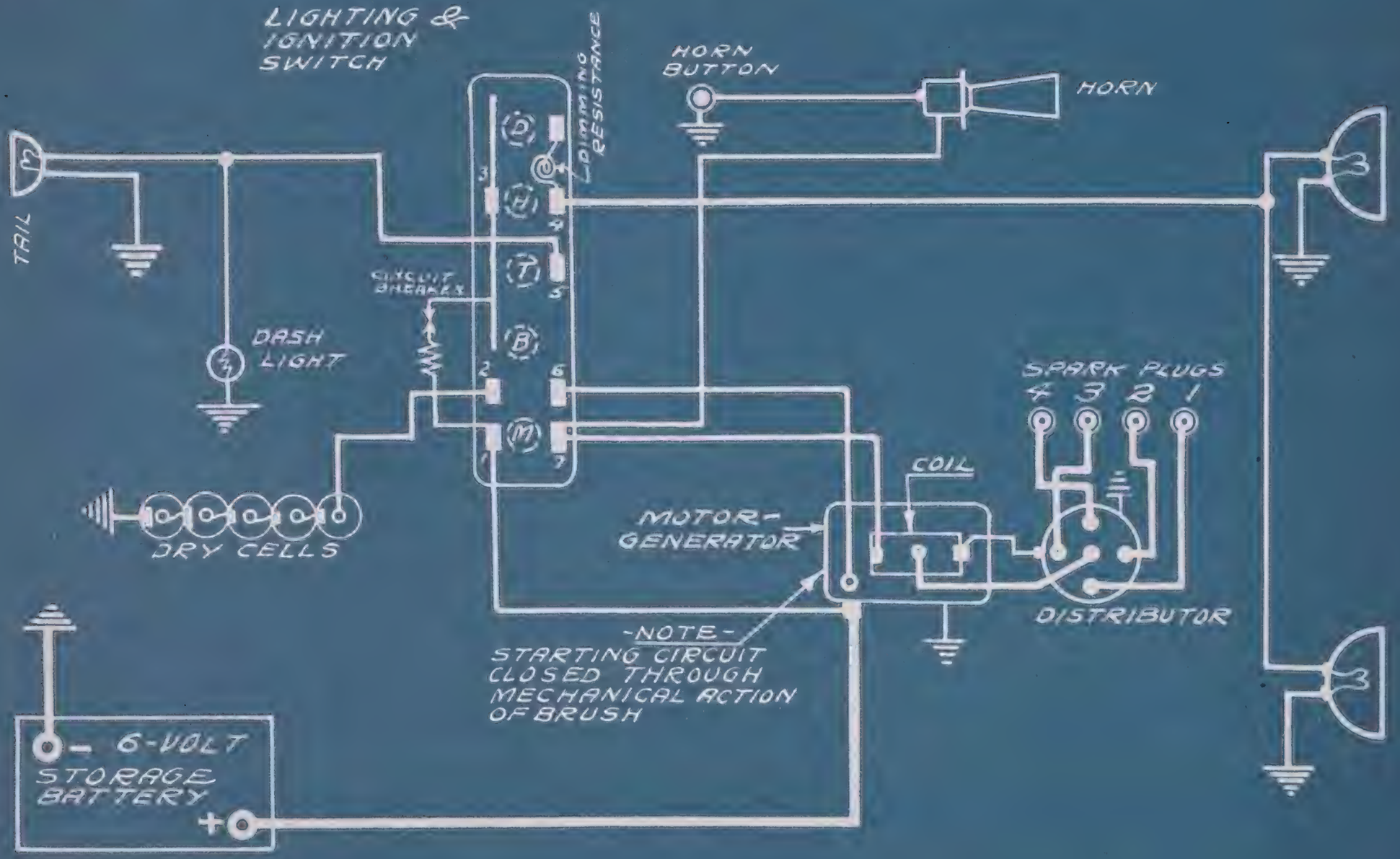
CARTERCAR 1914 "7"

DELCO SYSTEM



CARTERCAR 1915 MODEL 9

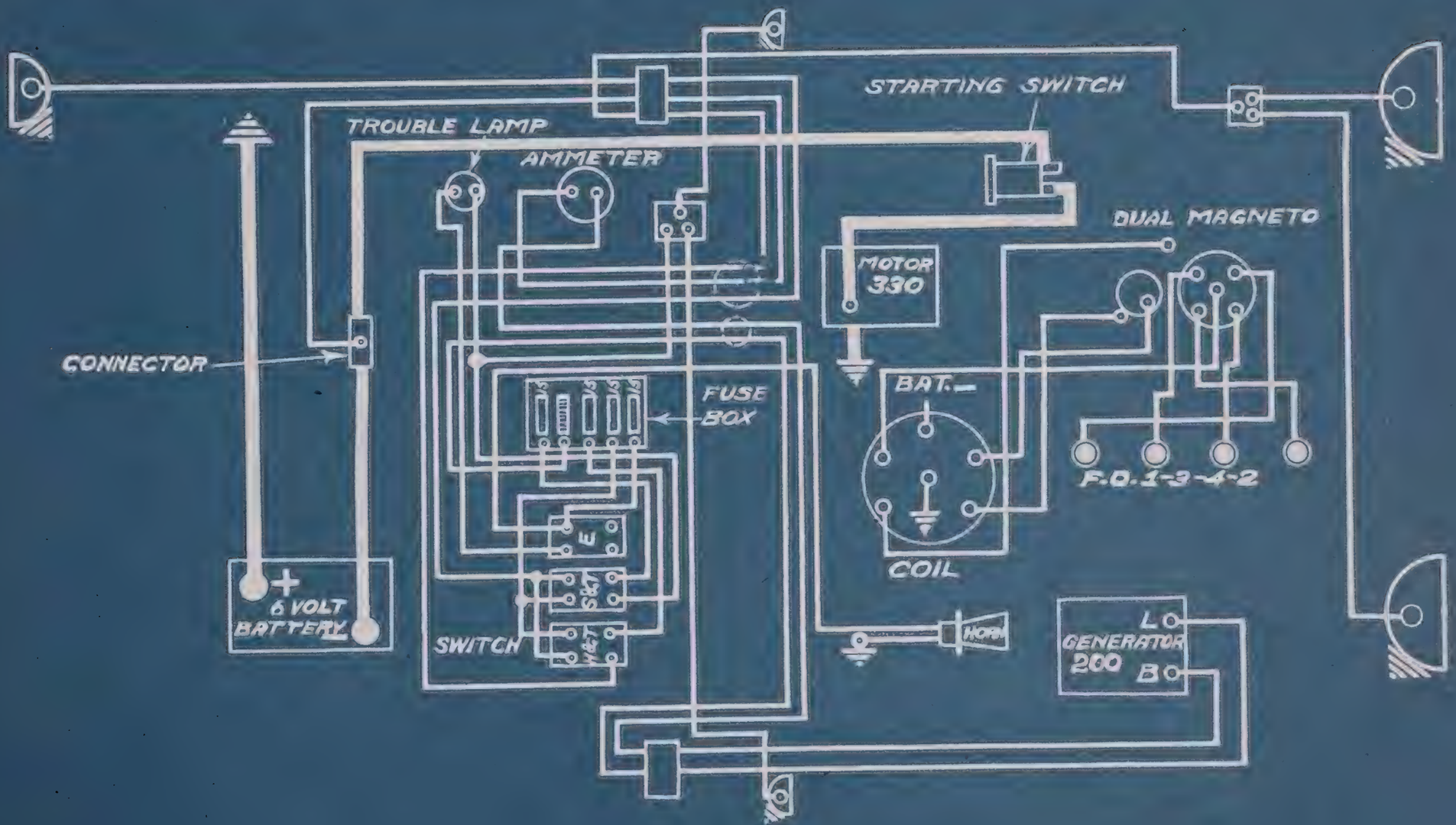
DELCO SYSTEM



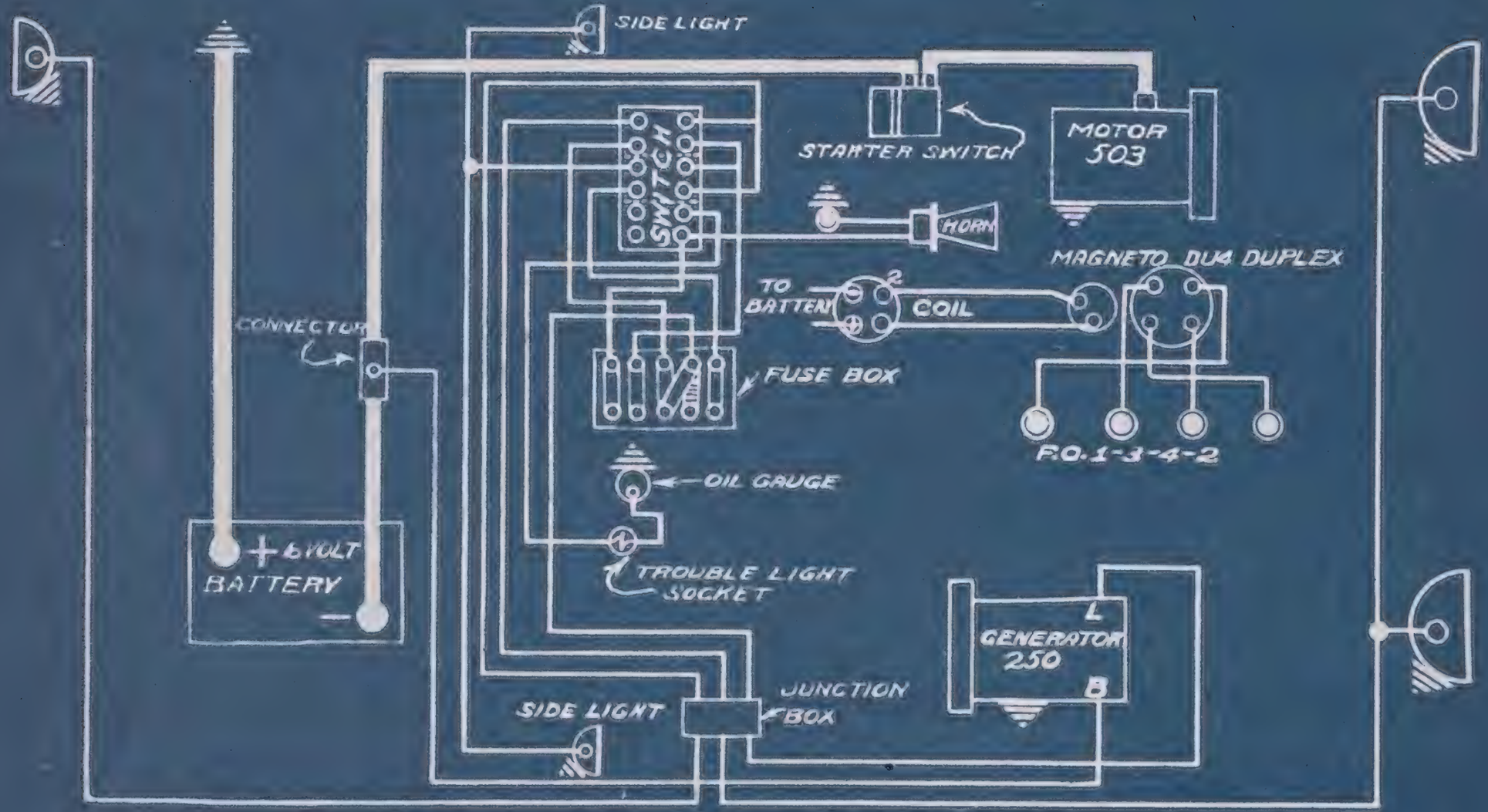
CASE "O" 1914

WESTINGHOUSE SYSTEM

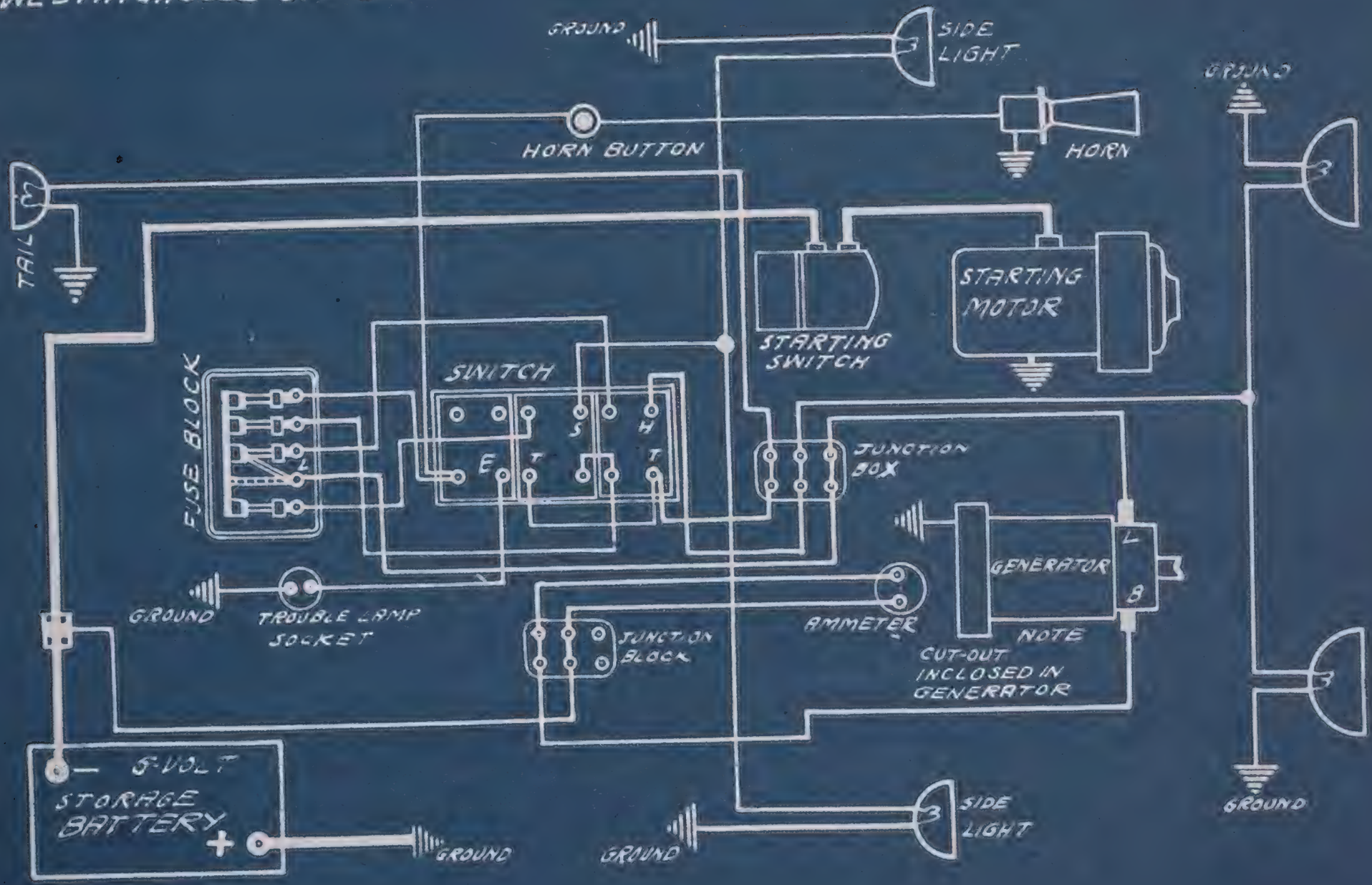
BOSCH MAG. IGN.



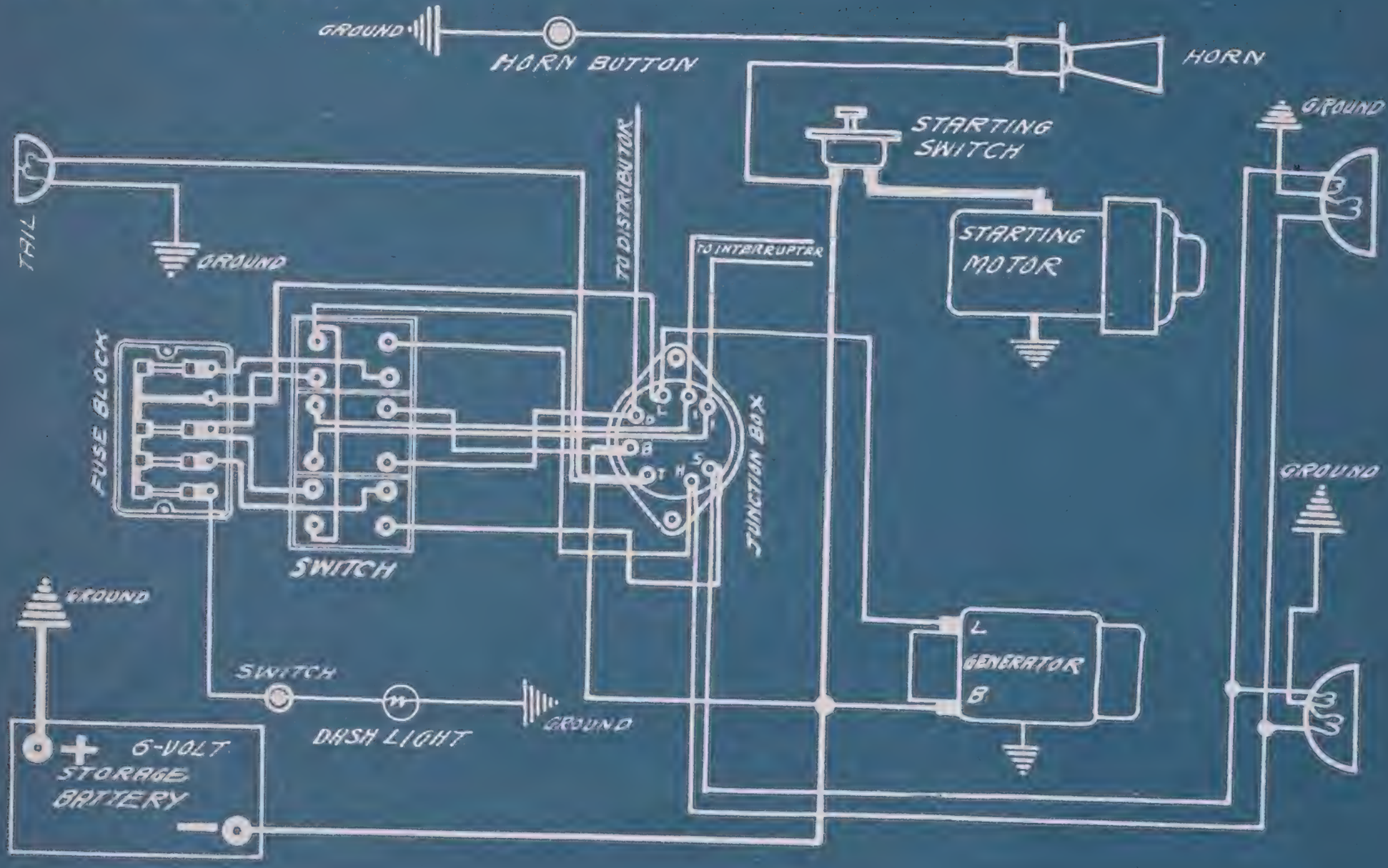
CASE "R" 1914
WESTINGHOUSE SYSTEM
BOSCH MAG. IGN.



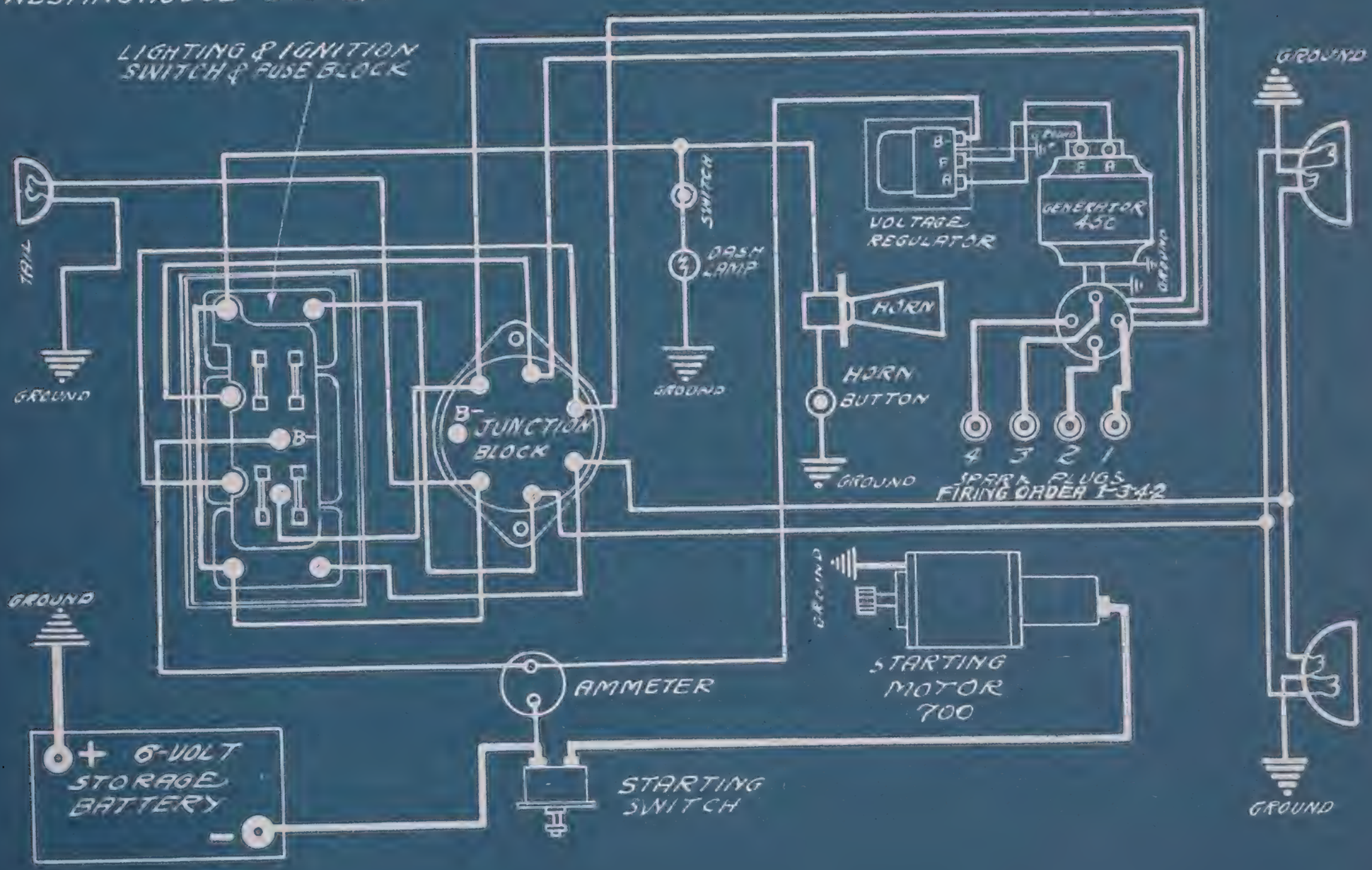
CASE 1914-1915 "S"
WESTINGHOUSE SYSTEM



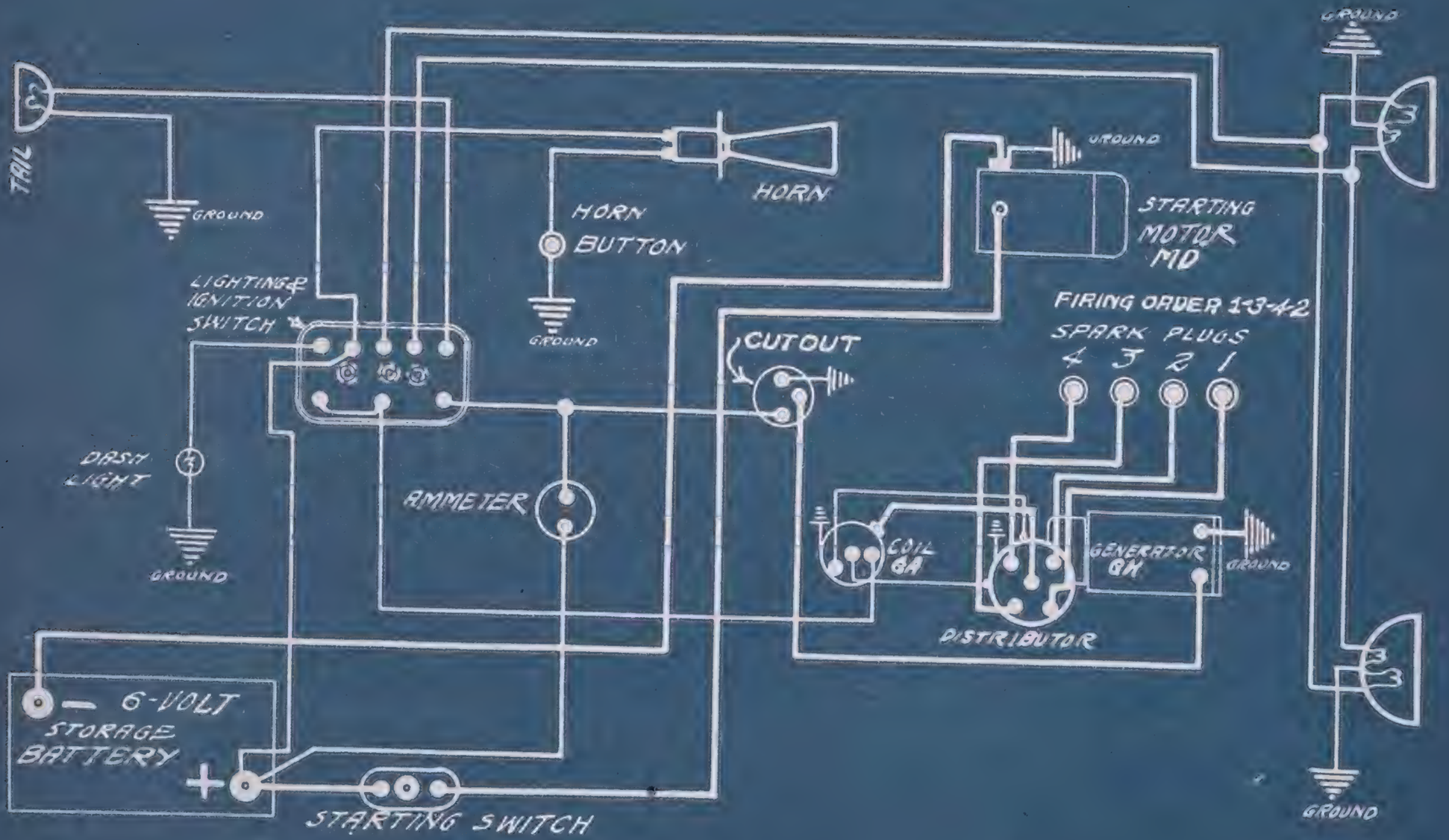
CASE 1915 MODEL "R"
WESTINGHOUSE SYSTEM



CASE 1916 "T"
WESTINGHOUSE SYSTEM

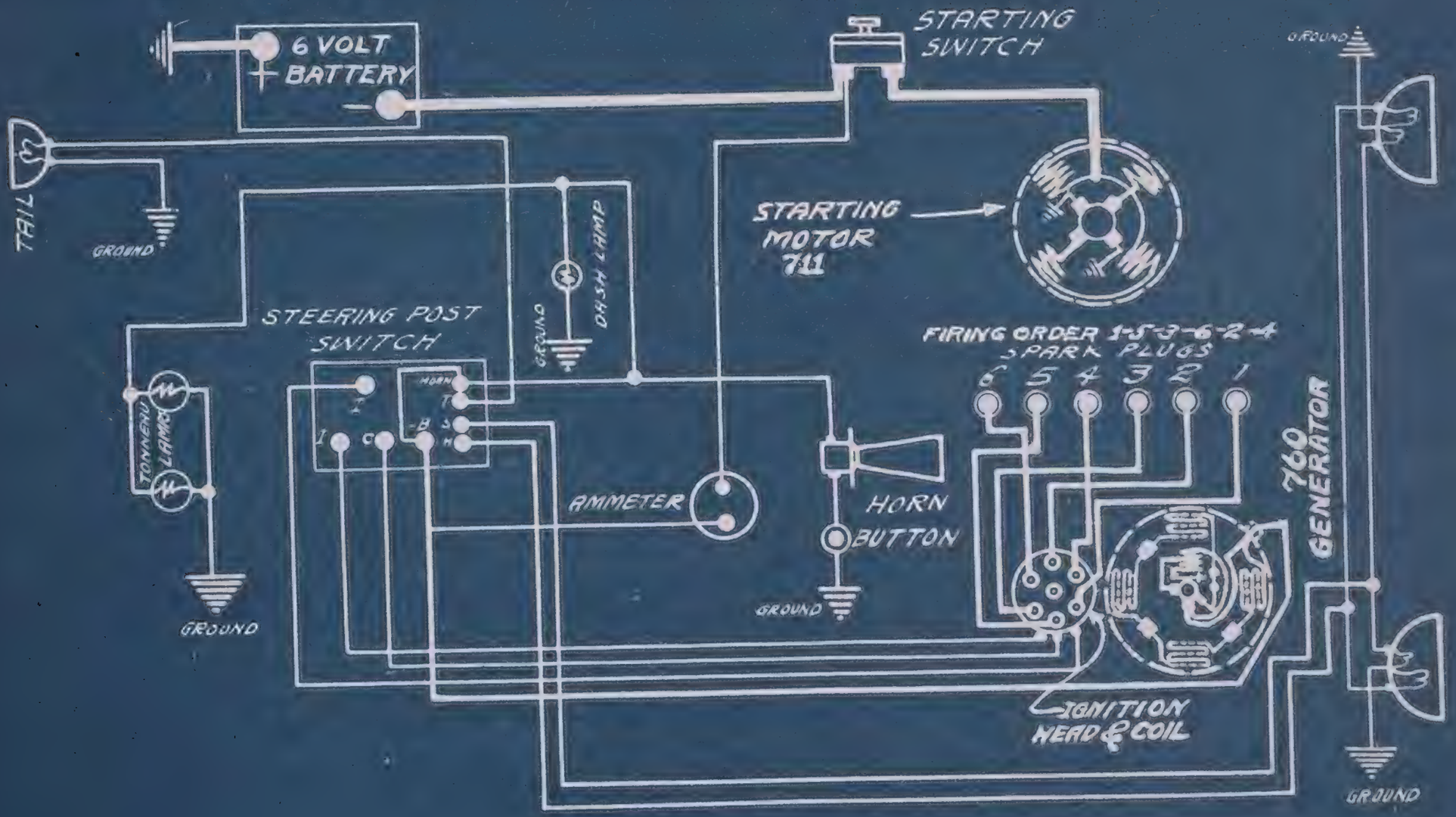


CASE 1917 "T"
AUTOLITE SYSTEM



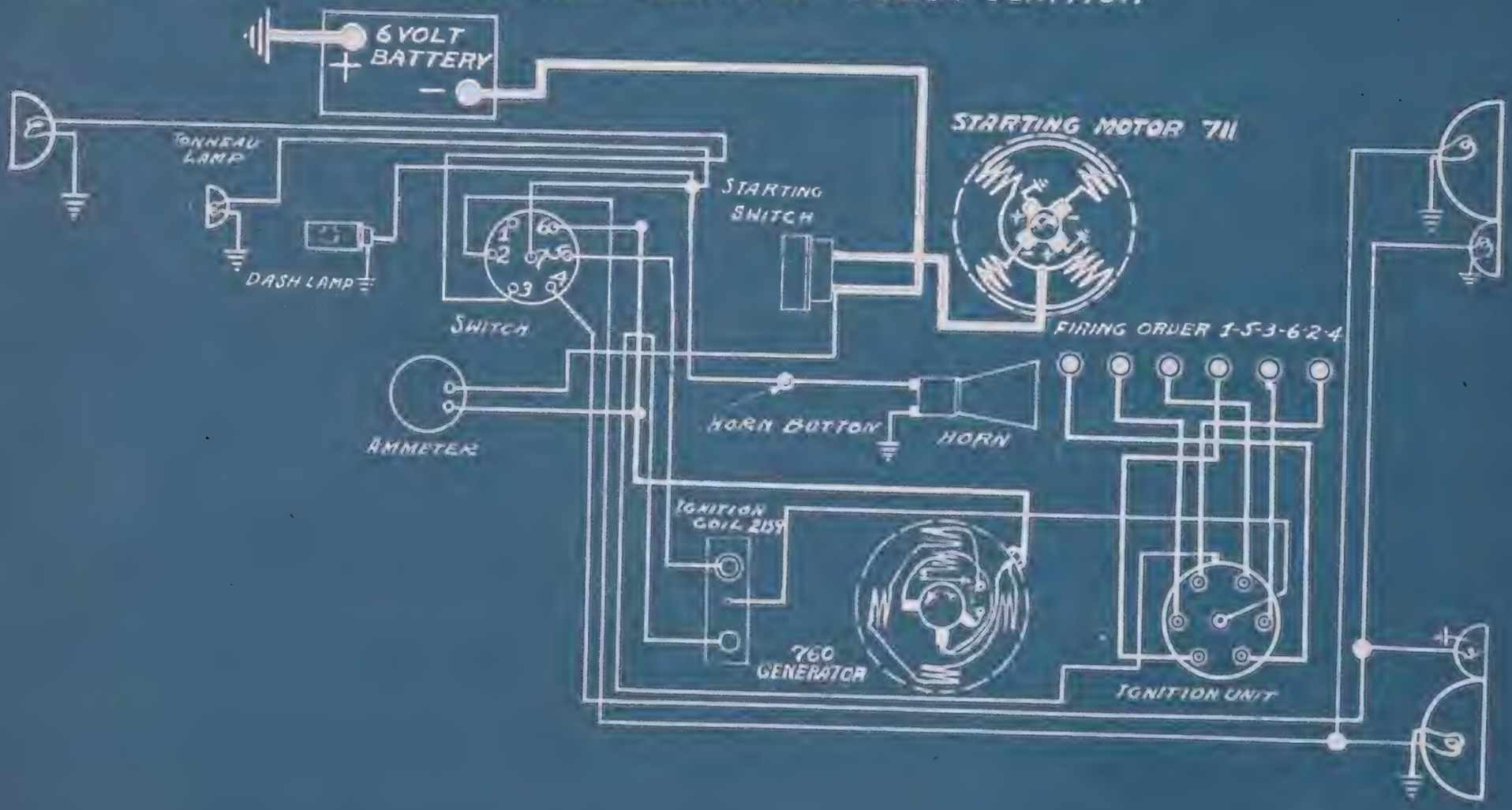
CASE 1918 "U" 1919 "U19"

WESTINGHOUSE SYSTEM

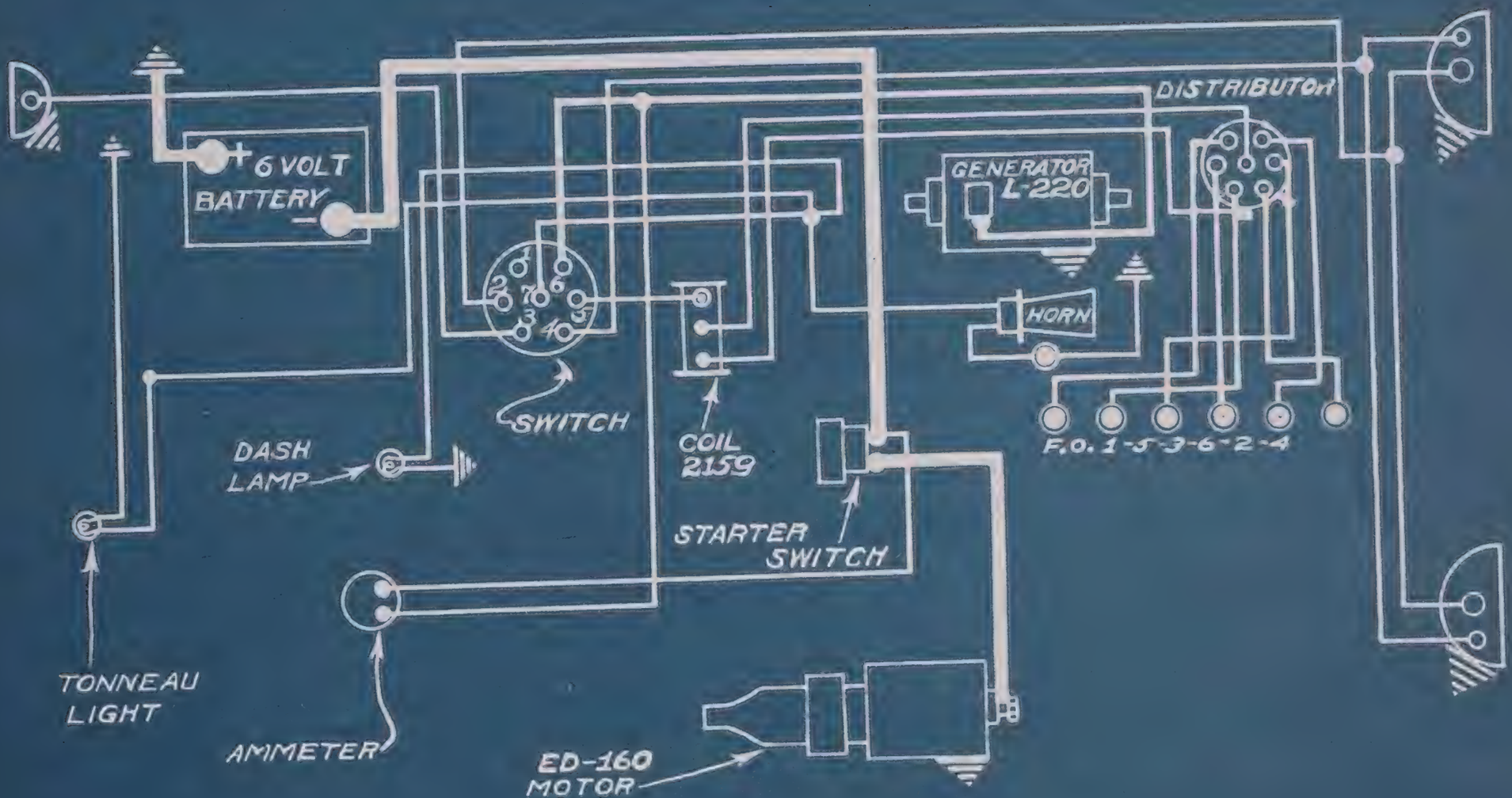


CASE 1920-1921-1922 "V"

WESTINGHOUSE STARTING AND LIGHTING DELCO IGNITION

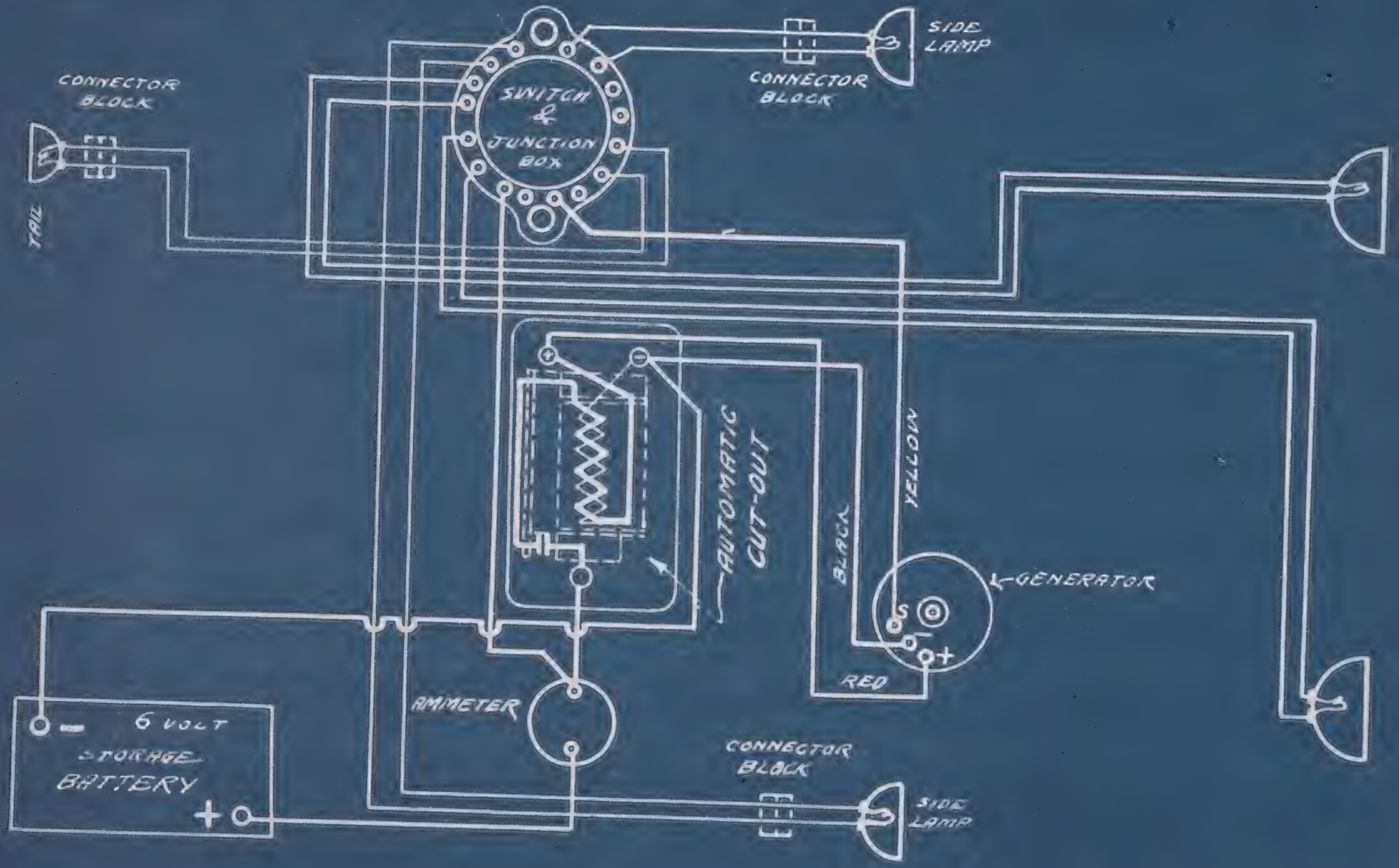


CASE "X" 1922
BIJUR SYSTEM
DELCO IGN.



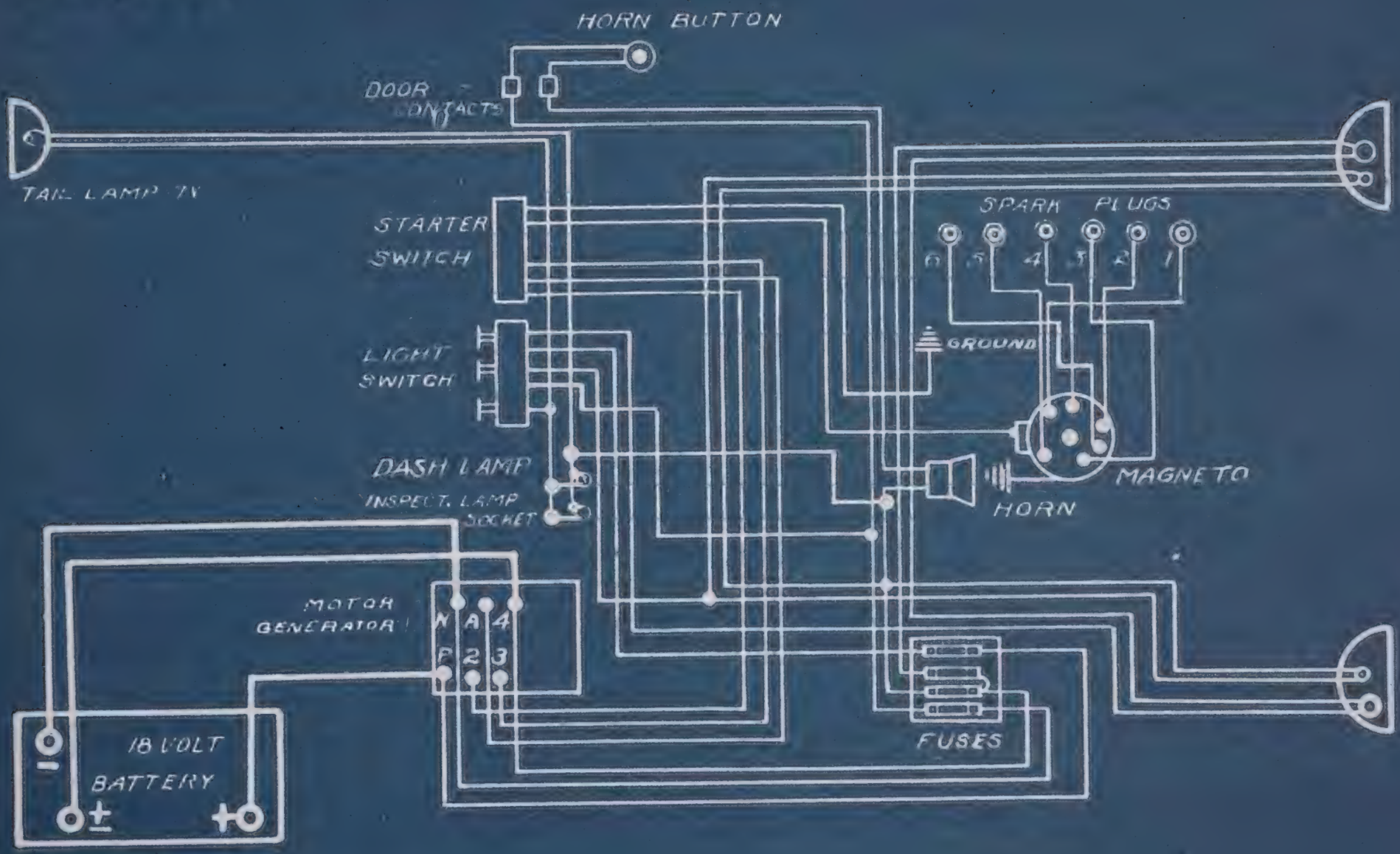
CHALMERS - 1913-1914 - MODELS 17, 18, 19.

GRAY & DAVIS SYSTEM



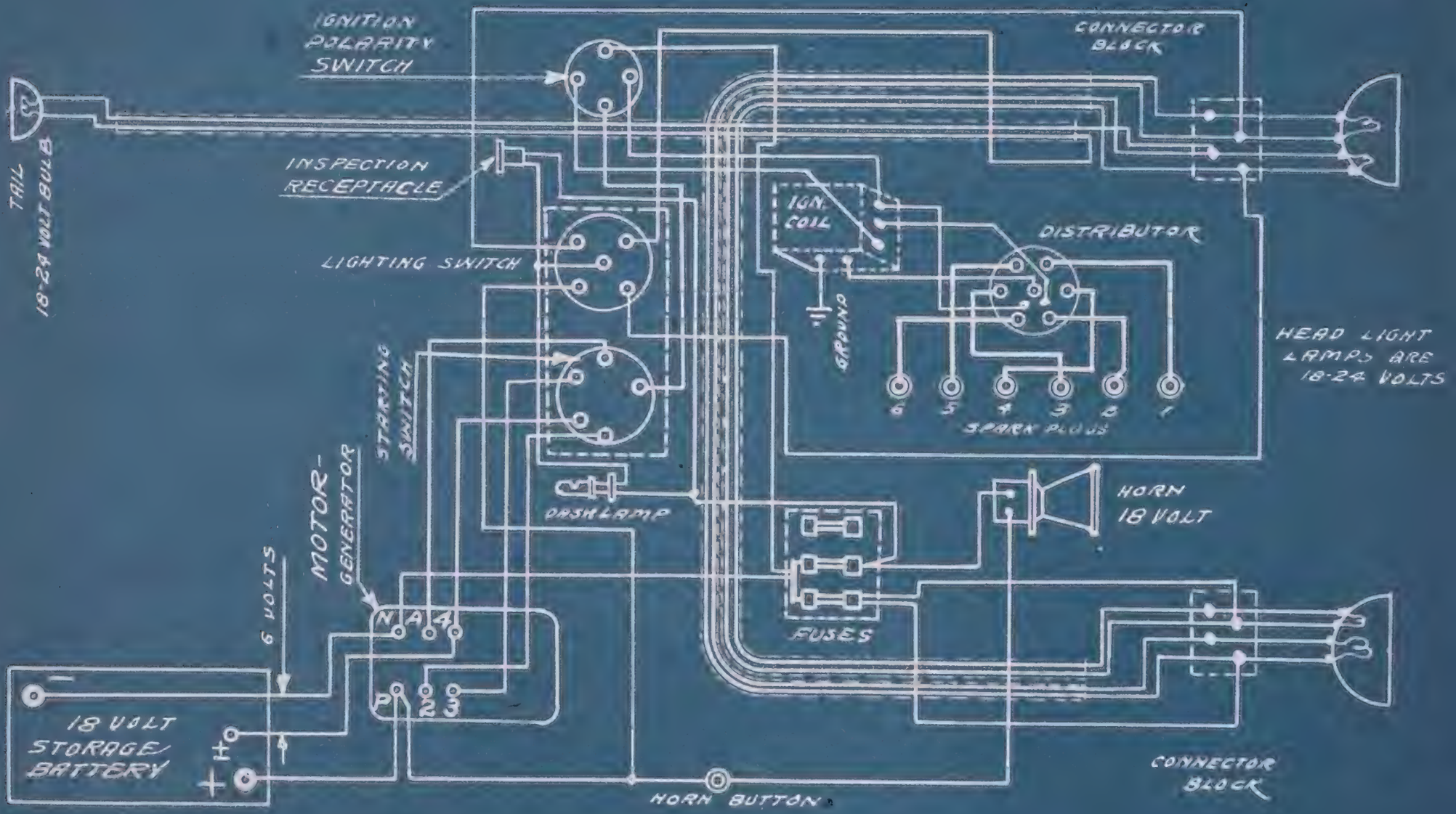
CHALMERS 1914 "24"

ENTZ SYSTEM



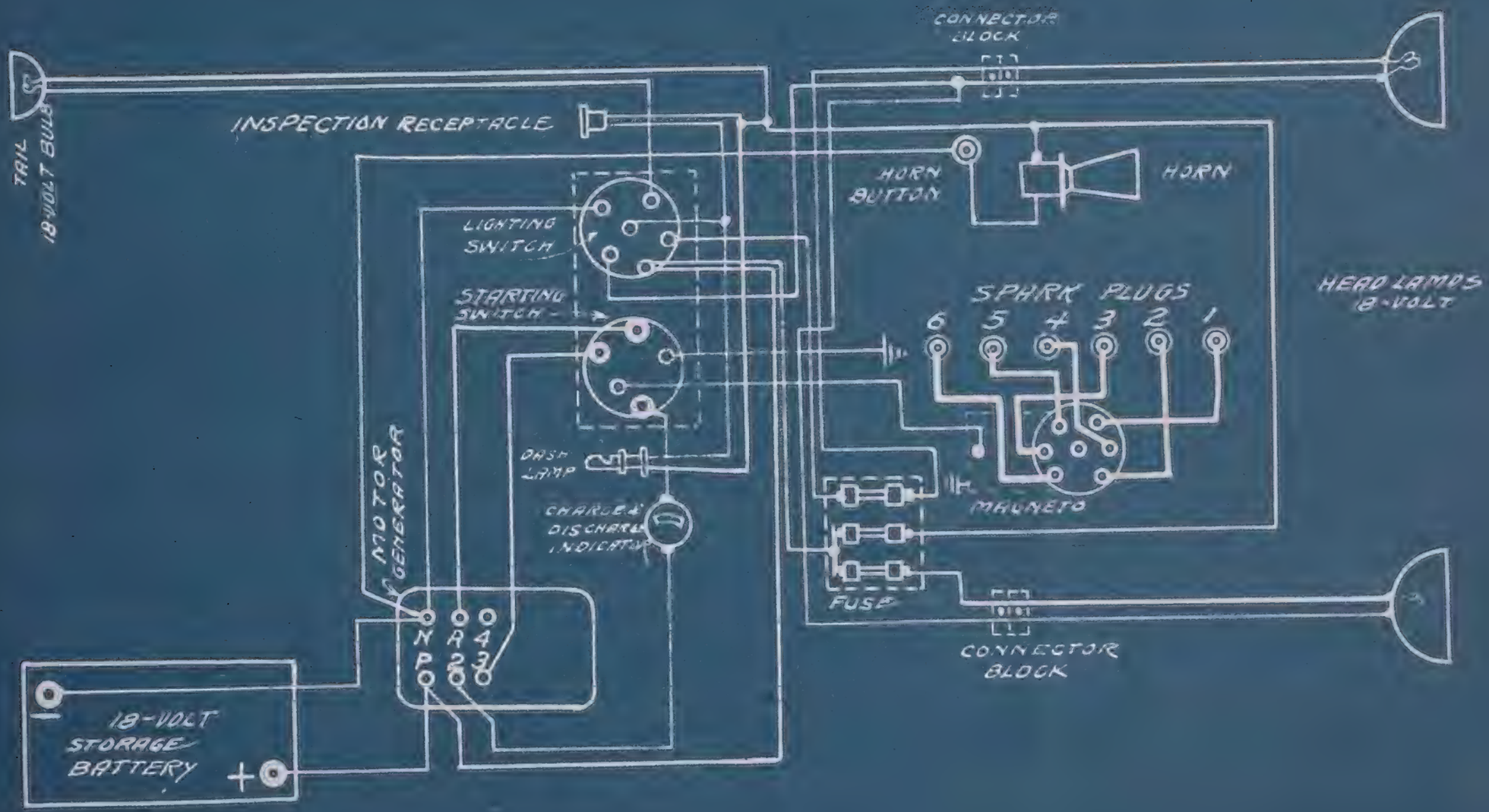
CHALMERS 1915 MODEL 26

ENTZ SYSTEM
ATWATER-KENT IGN.



CHALMERS 1915 MODEL 29

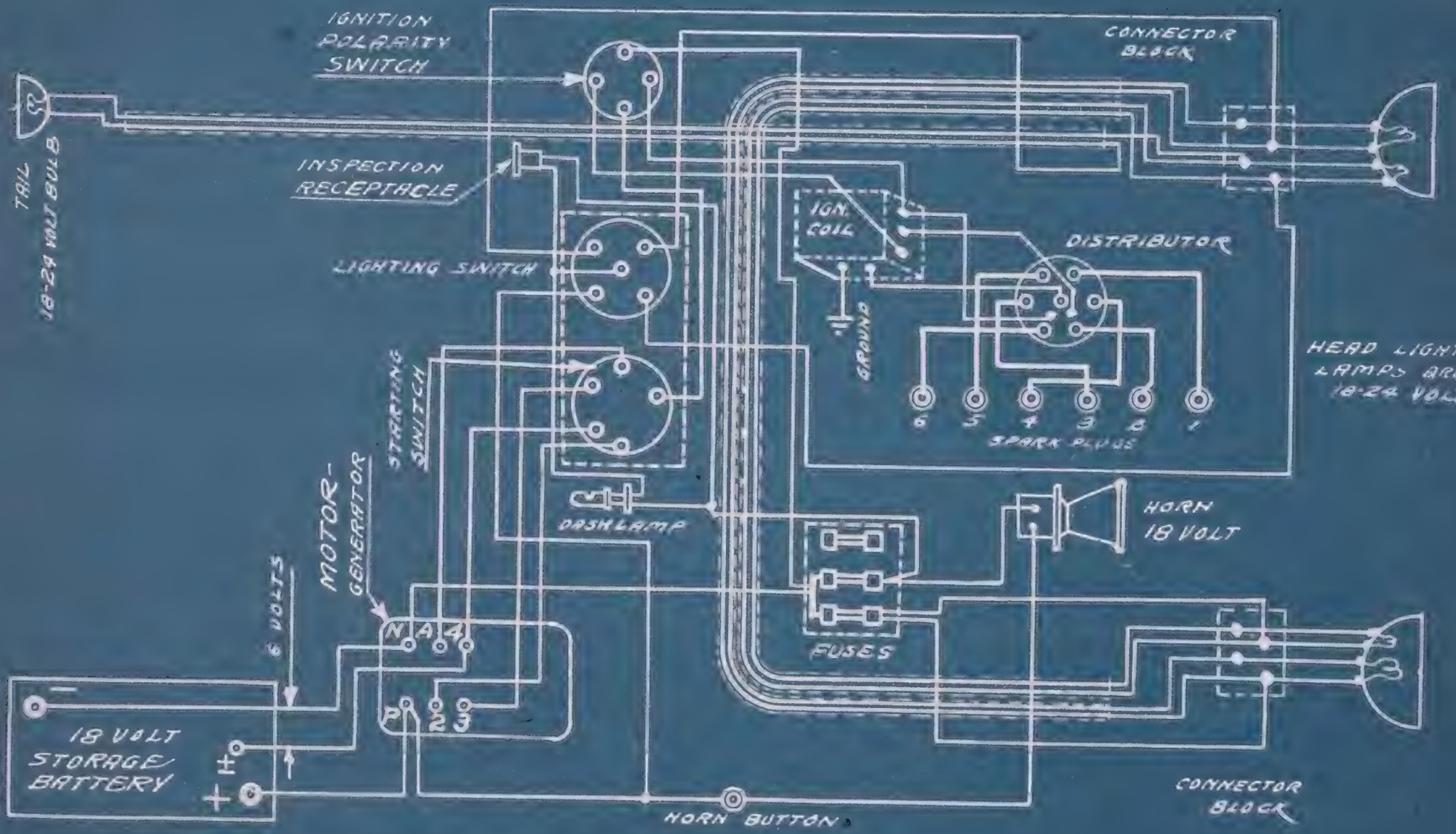
ENTZ SYSTEM



CHALMERS 1915 MODEL 26

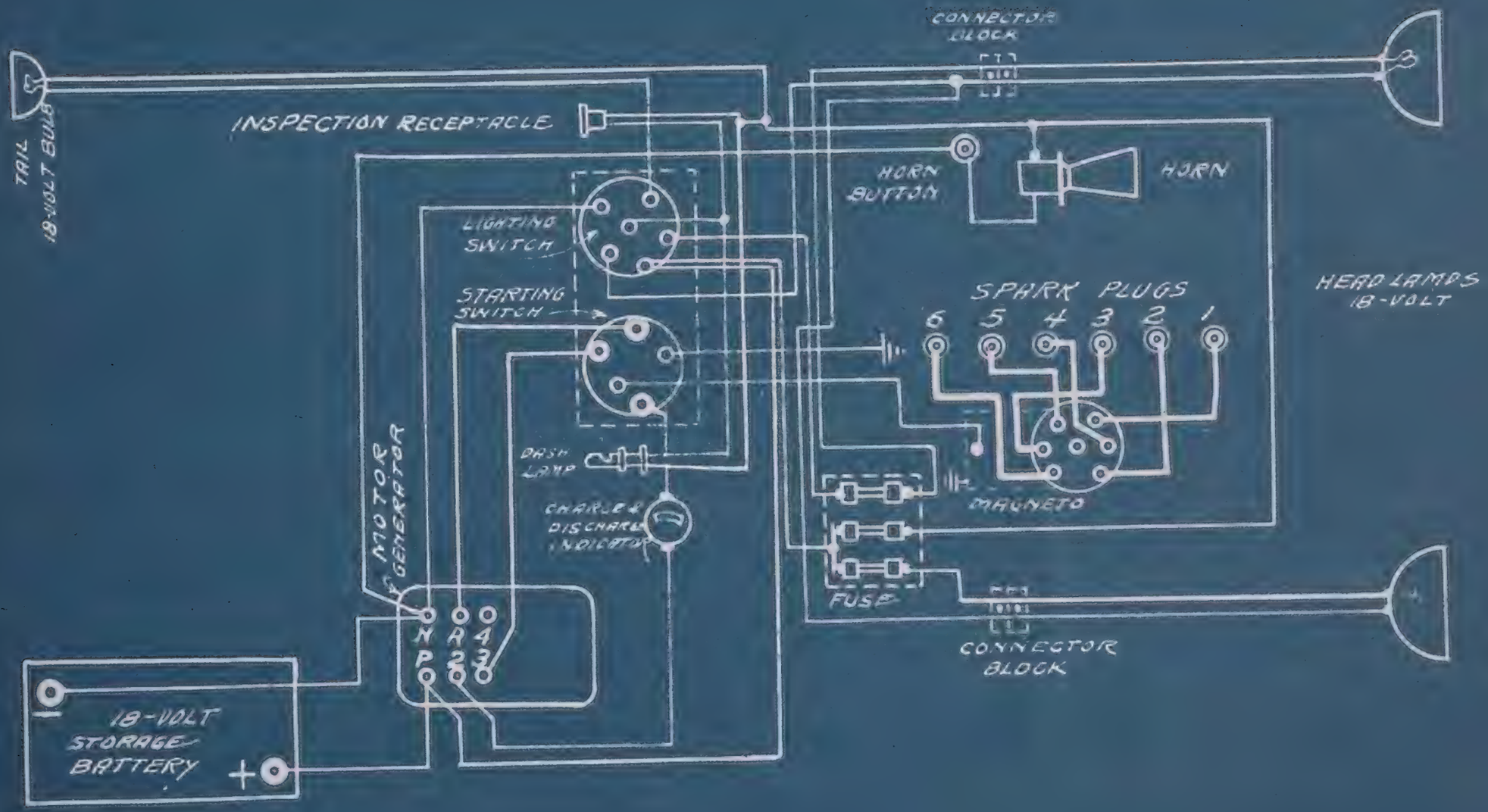
ENTZ SYSTEM

ATWATER-KENT IGN.



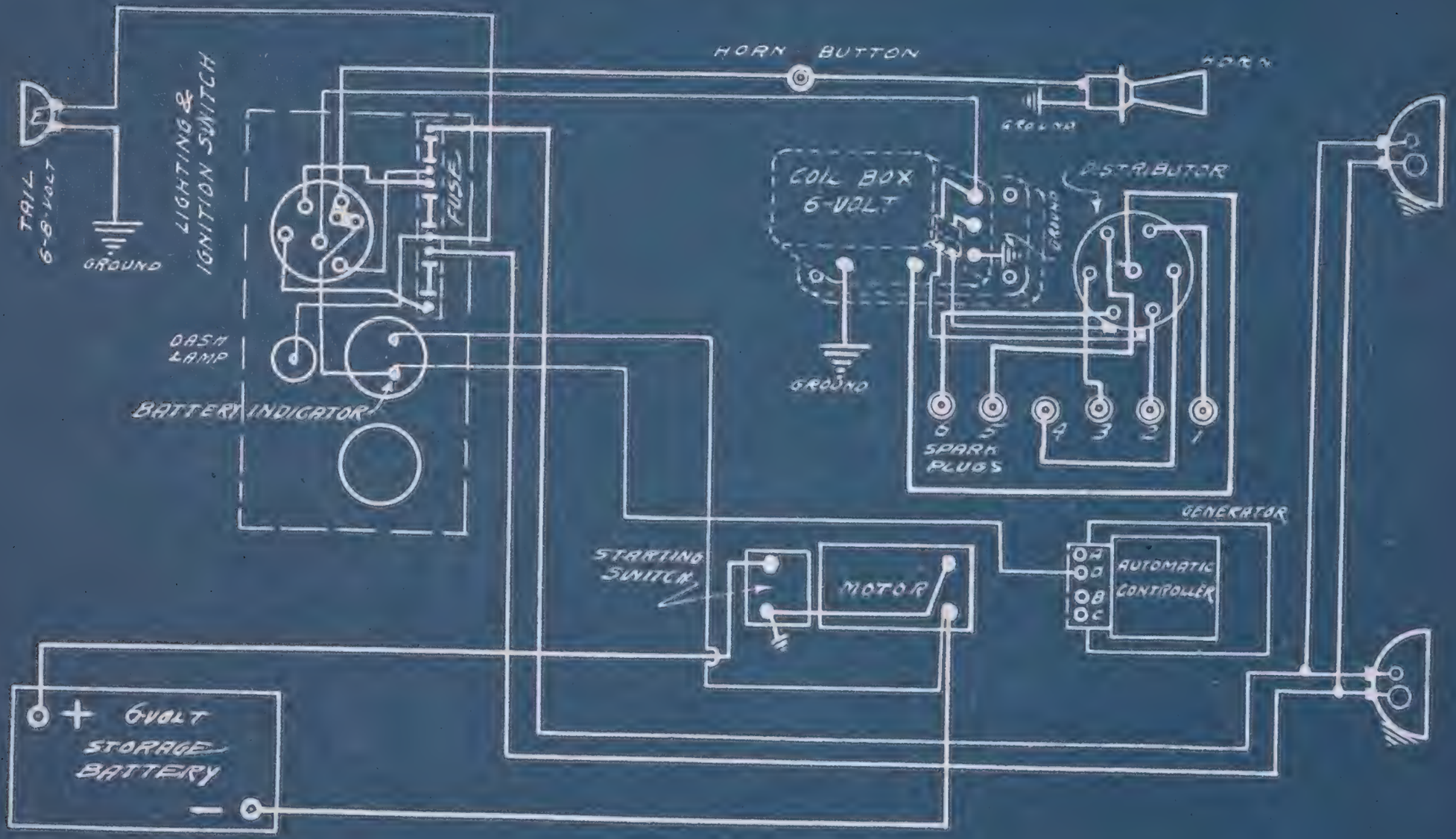
CHALMERS 1915 MODEL 29

ENTZ SYSTEM



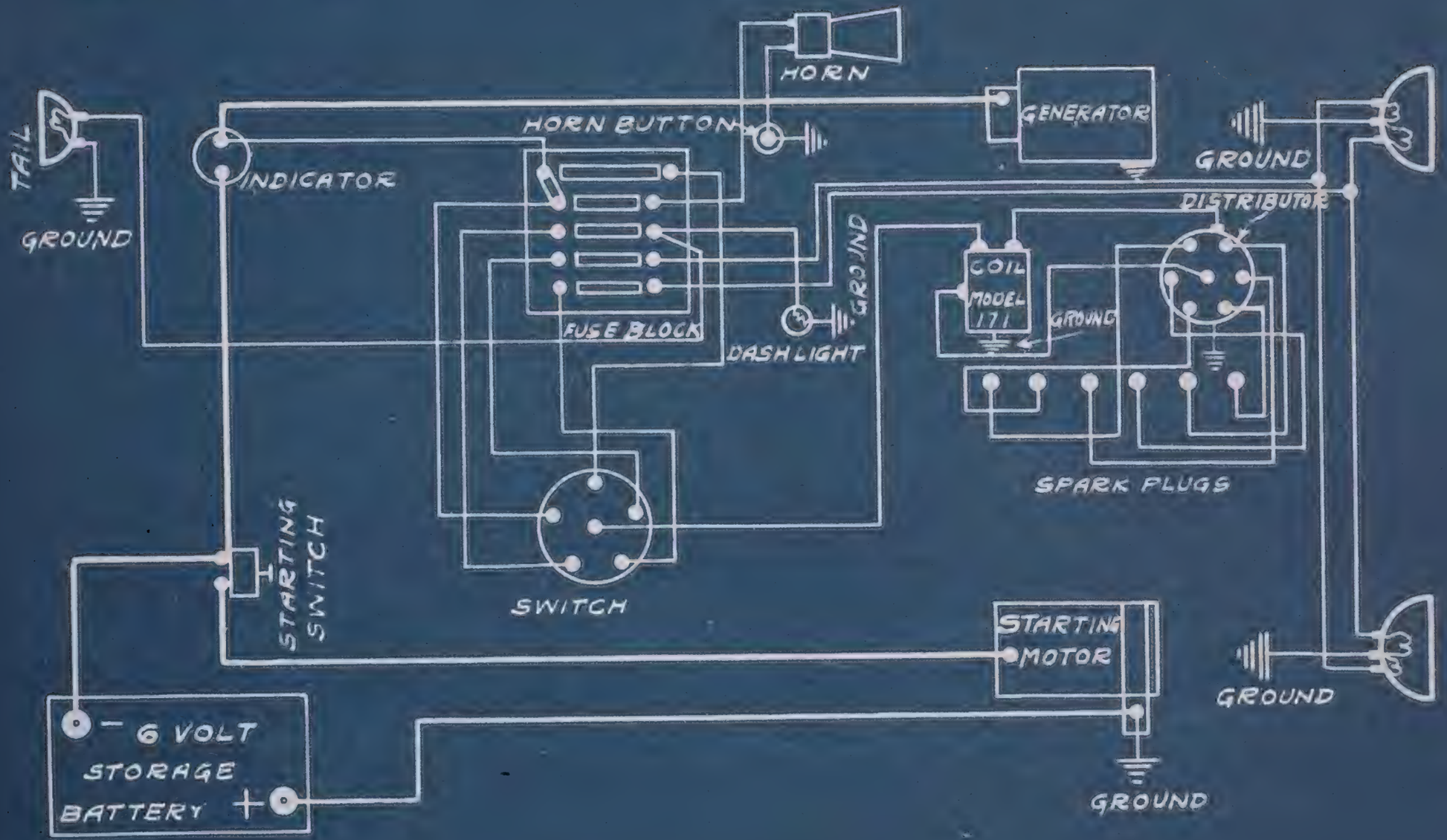
CHALMERS 1915-1916 MODELS 32 6-40

WESTINGHOUSE SYSTEM USED AFTER FIRST 3000 CARS



CHALMERS 1916 "35"

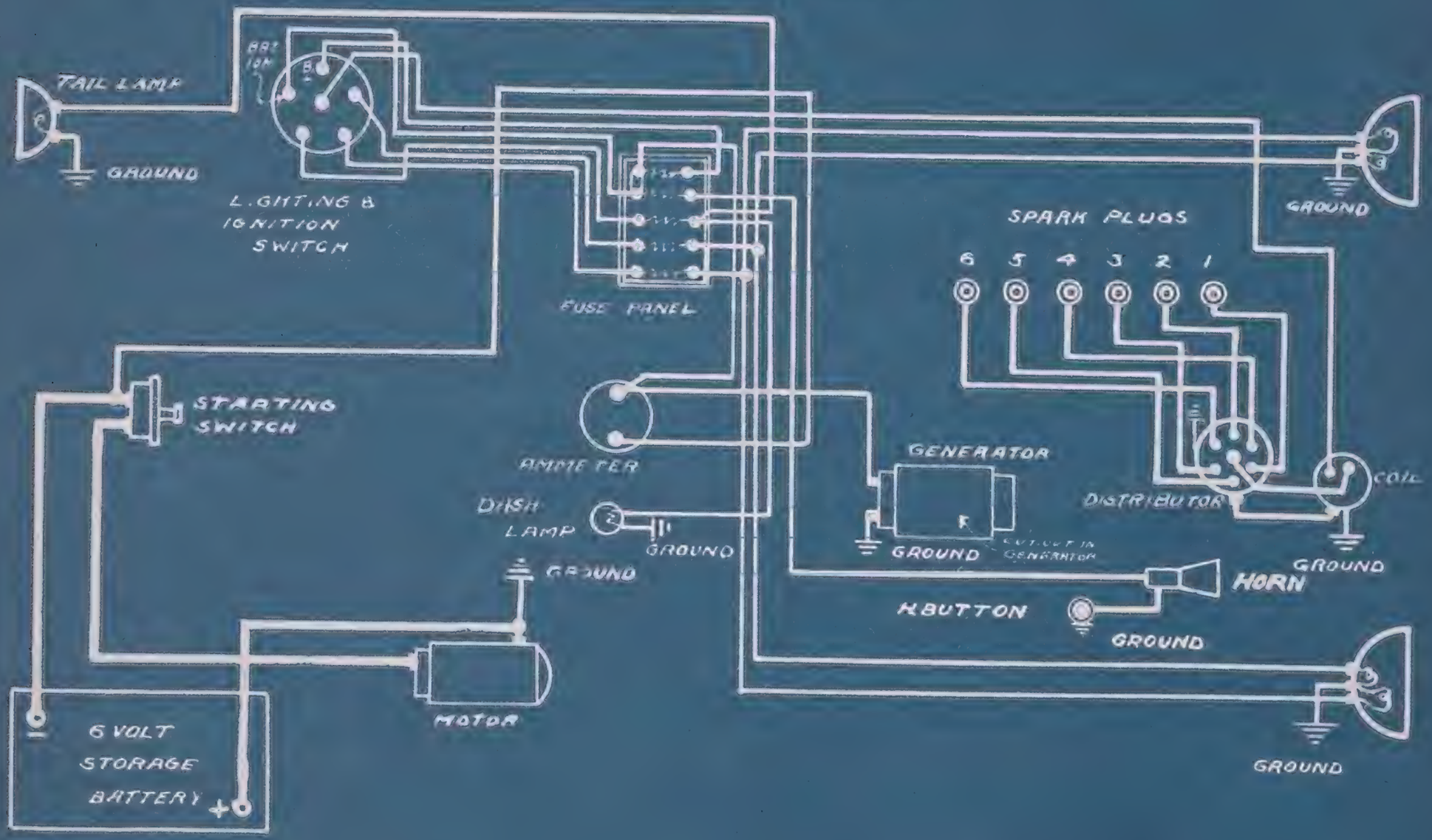
WESTING HOUSE SYSTEM
REMY IGNITION



CHALMERS SIX 30 MODEL 35A & 35B 1917-1918

WESTINGHOUSE SYSTEM

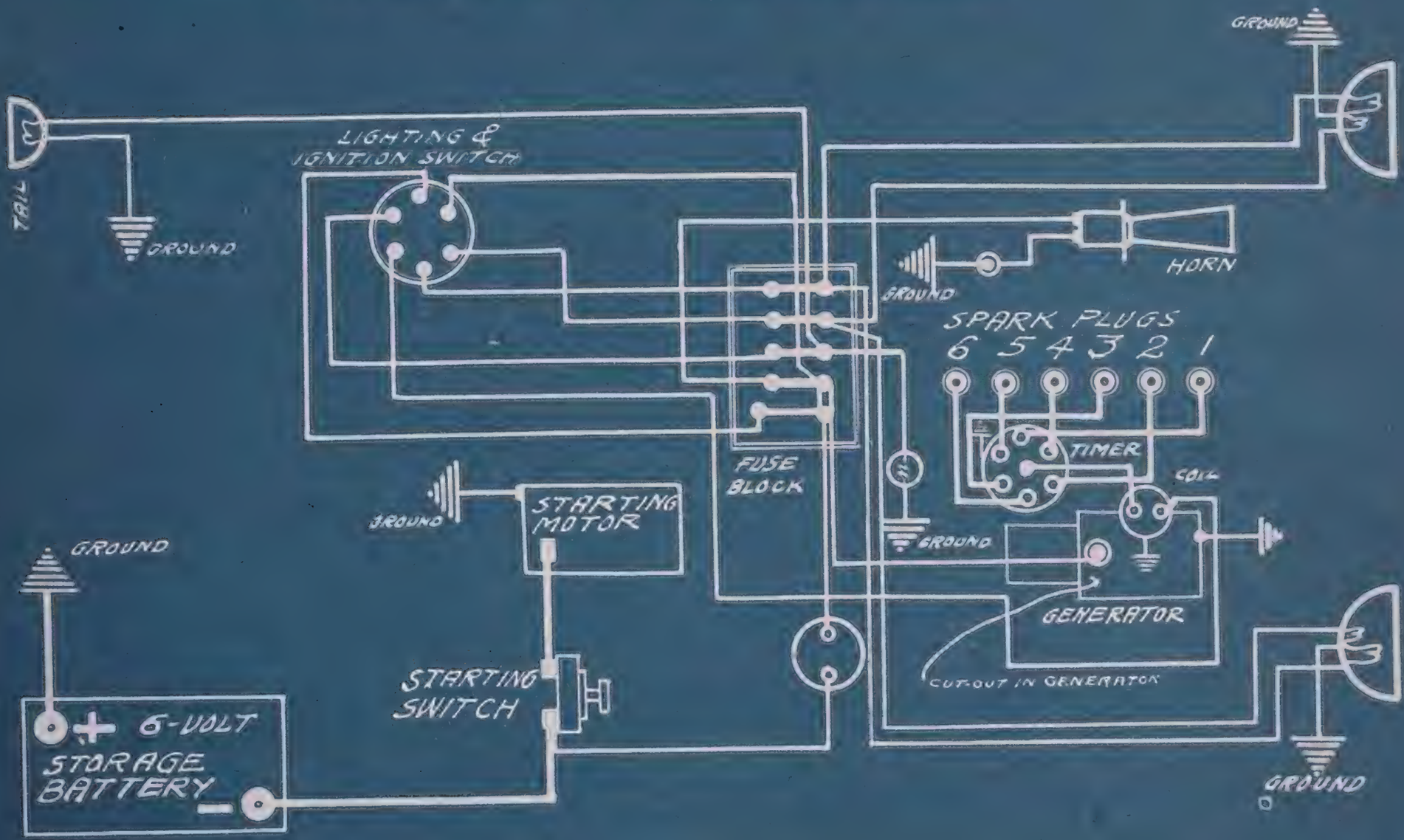
USED ON CARS WITH SERIAL NUMBERS
82001 TO 84000
94001 TO 111000



CHALMERS 1918 35-C — 1919 EARLY MODELS

WESTINGHOUSE SYSTEM — REMY IGNITION

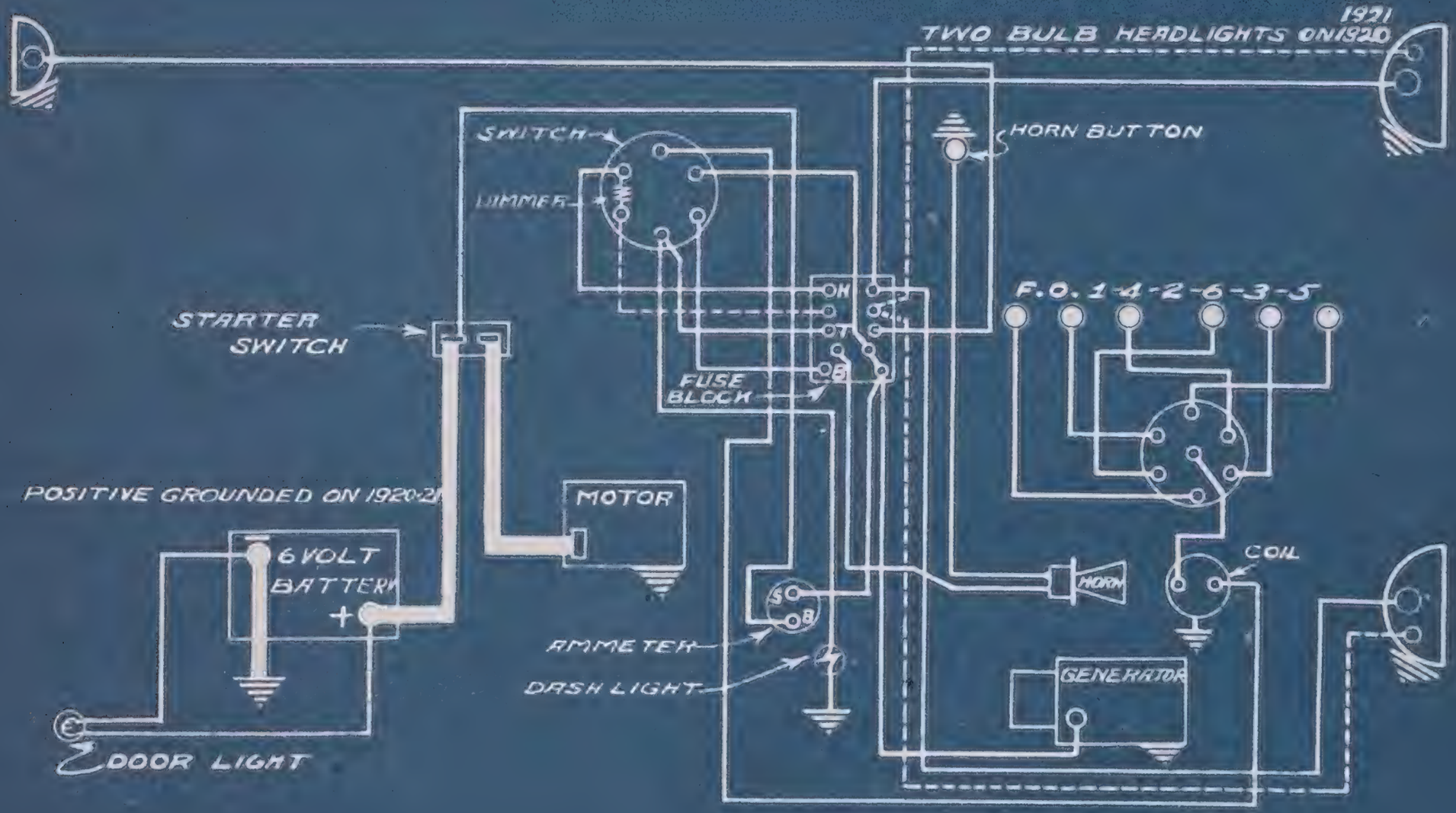
USED AFTER 1ST 1000 MODEL 35-B SPECIALS



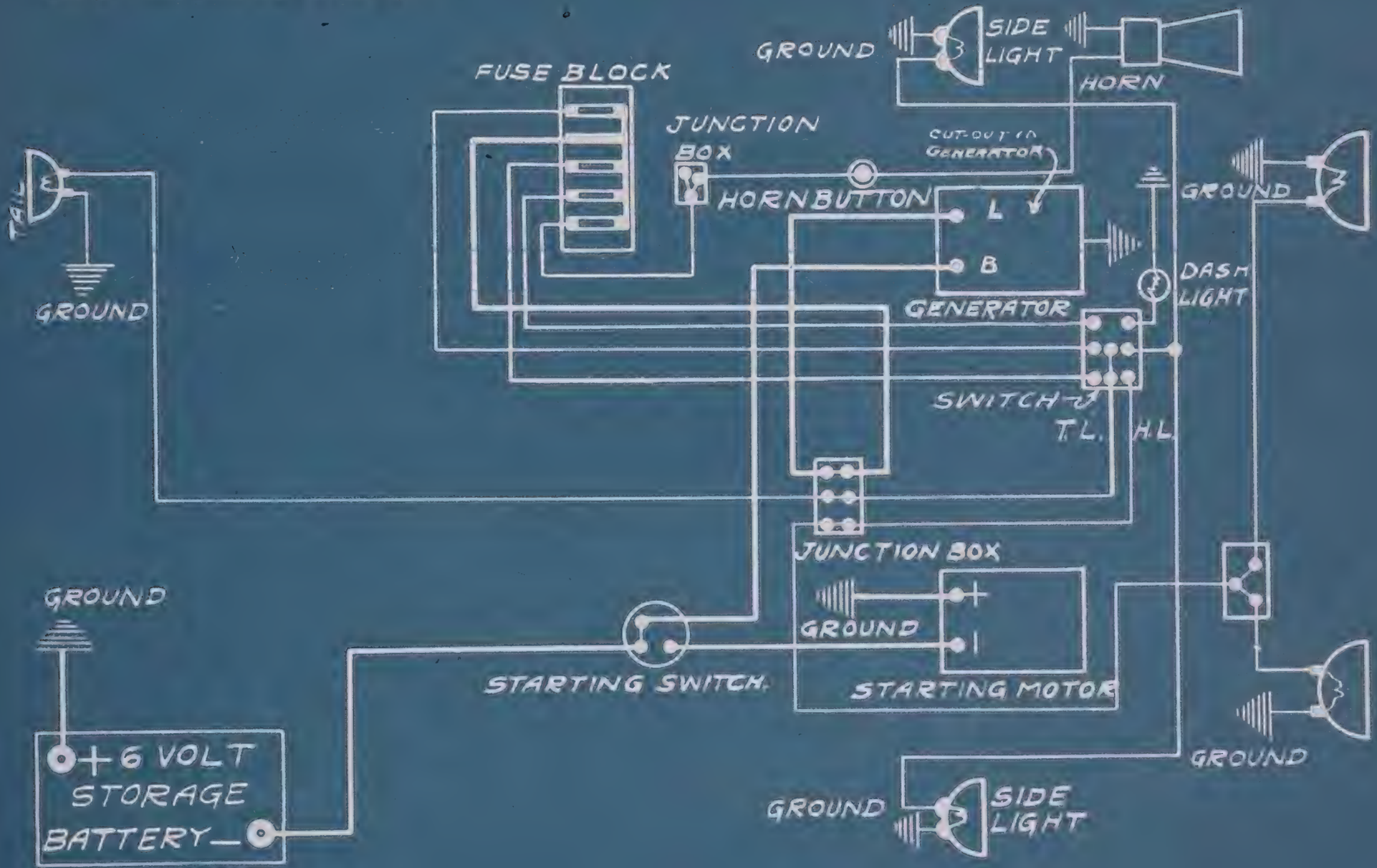
CHALMERS "6-30" 1920-21-22

AUTO-LITE SYSTEM

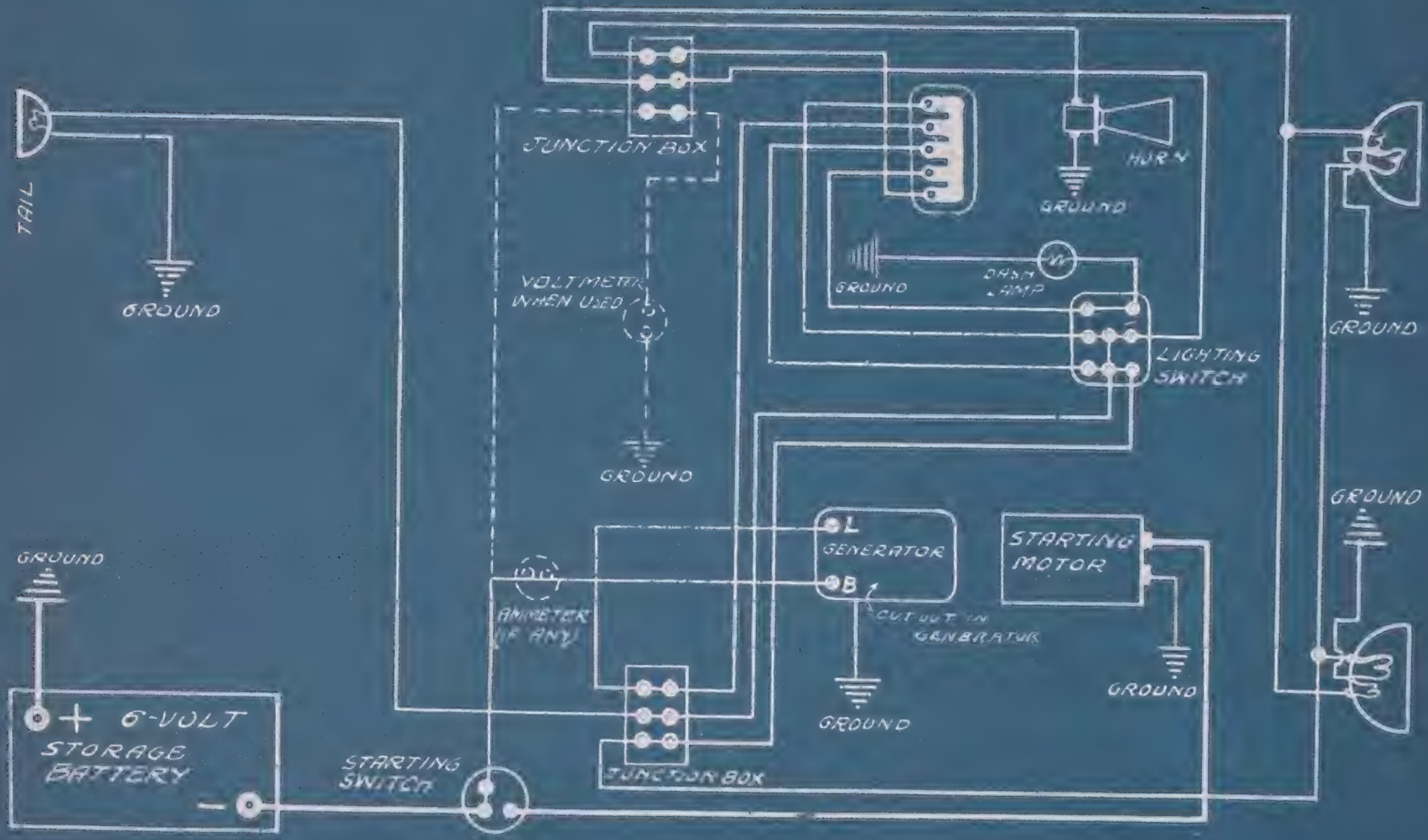
REMY IGN.



CHANDLER 1913
WESTINGHOUSE SYSTEM



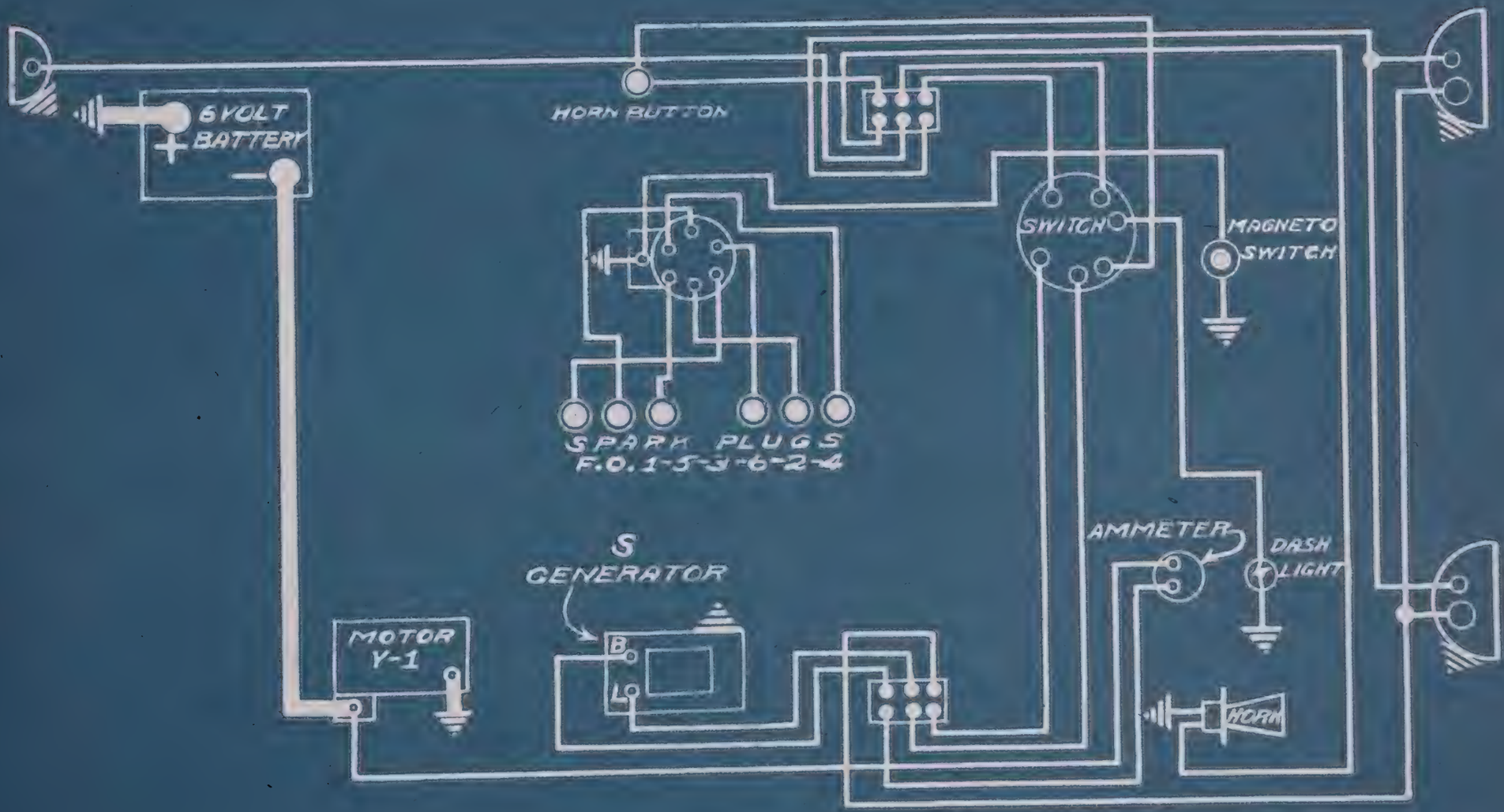
CHANDLER 1914
WESTINGHOUSE SYSTEM



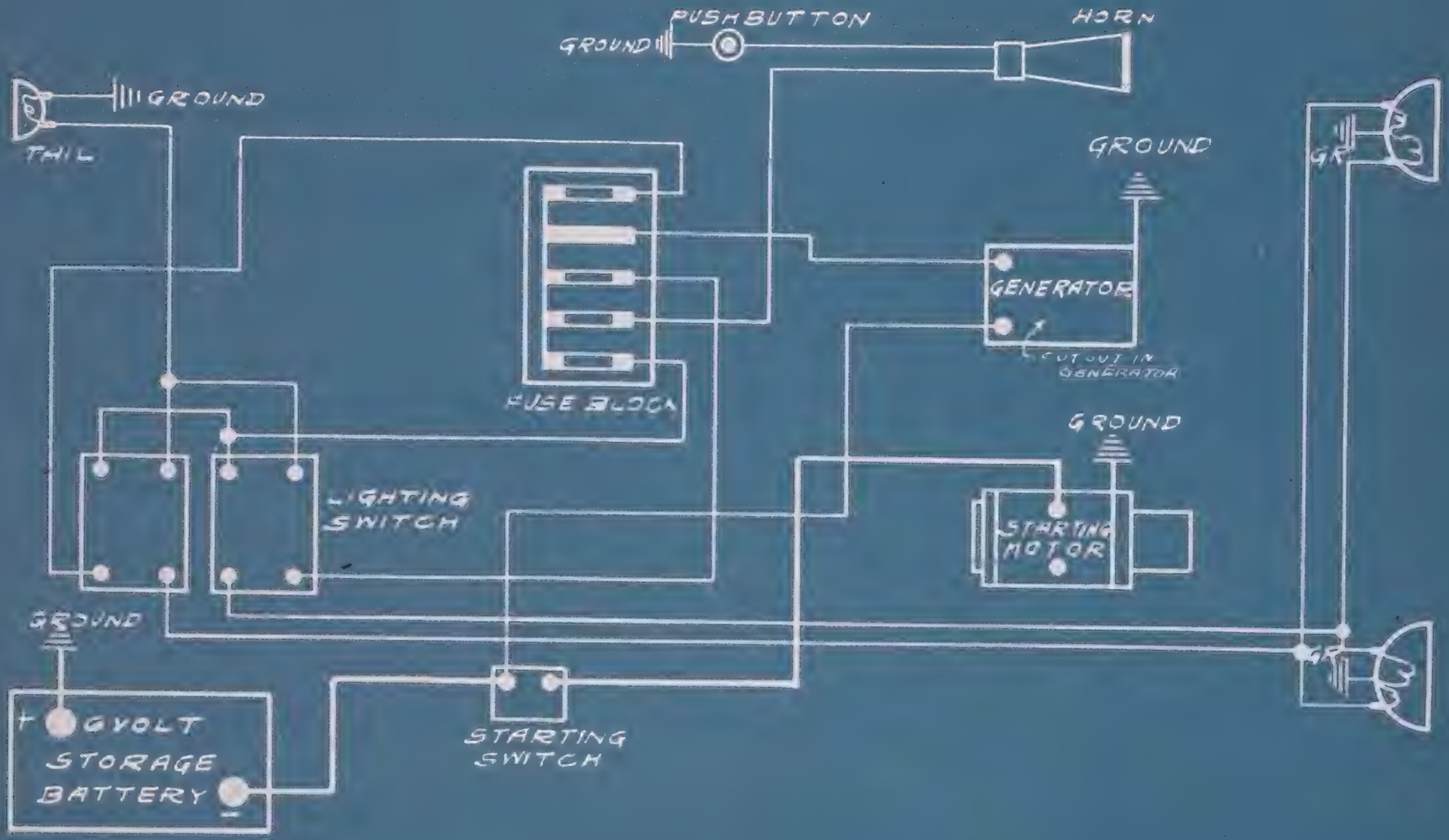
CHANDLER "15" 1915

GRAY & DAVIS SYSTEM

BOSCH MAG.



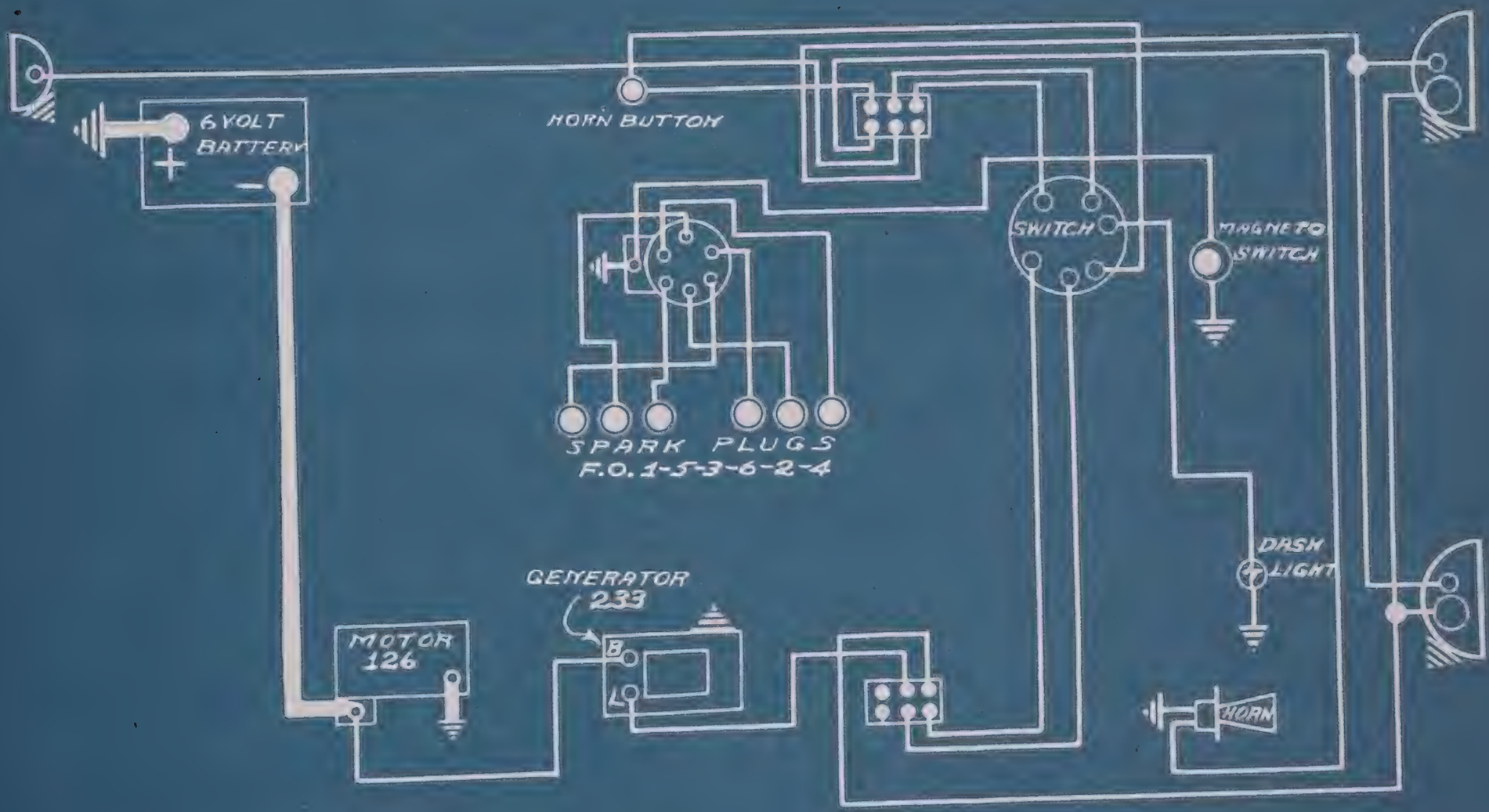
CHANDLER 1916
WESTING HOUSE SYSTEM



CHANDLER "16" 1916

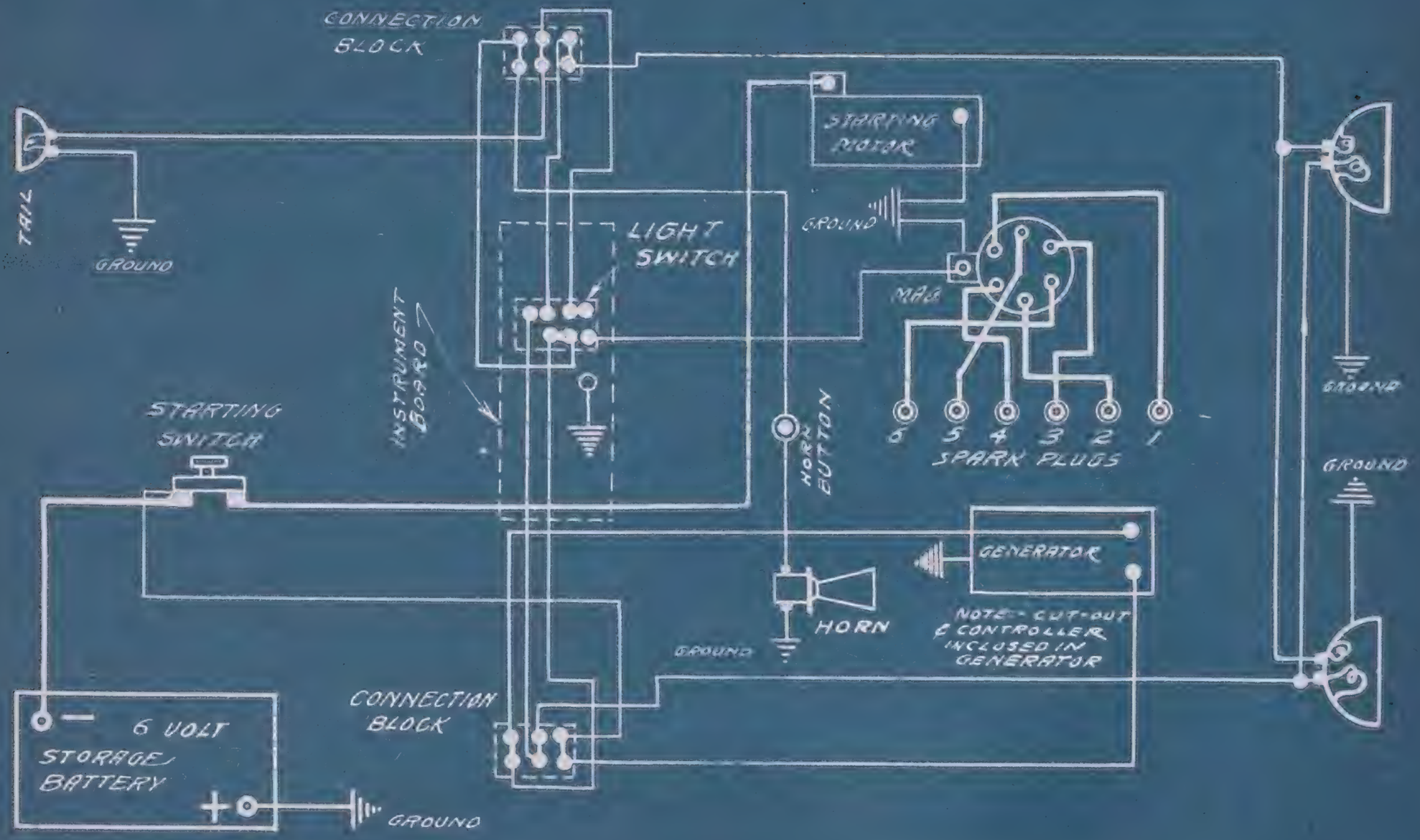
GRAY & DAVIS SYSTEM

BOSCH MAG.



CHANDLER 1916 "17"

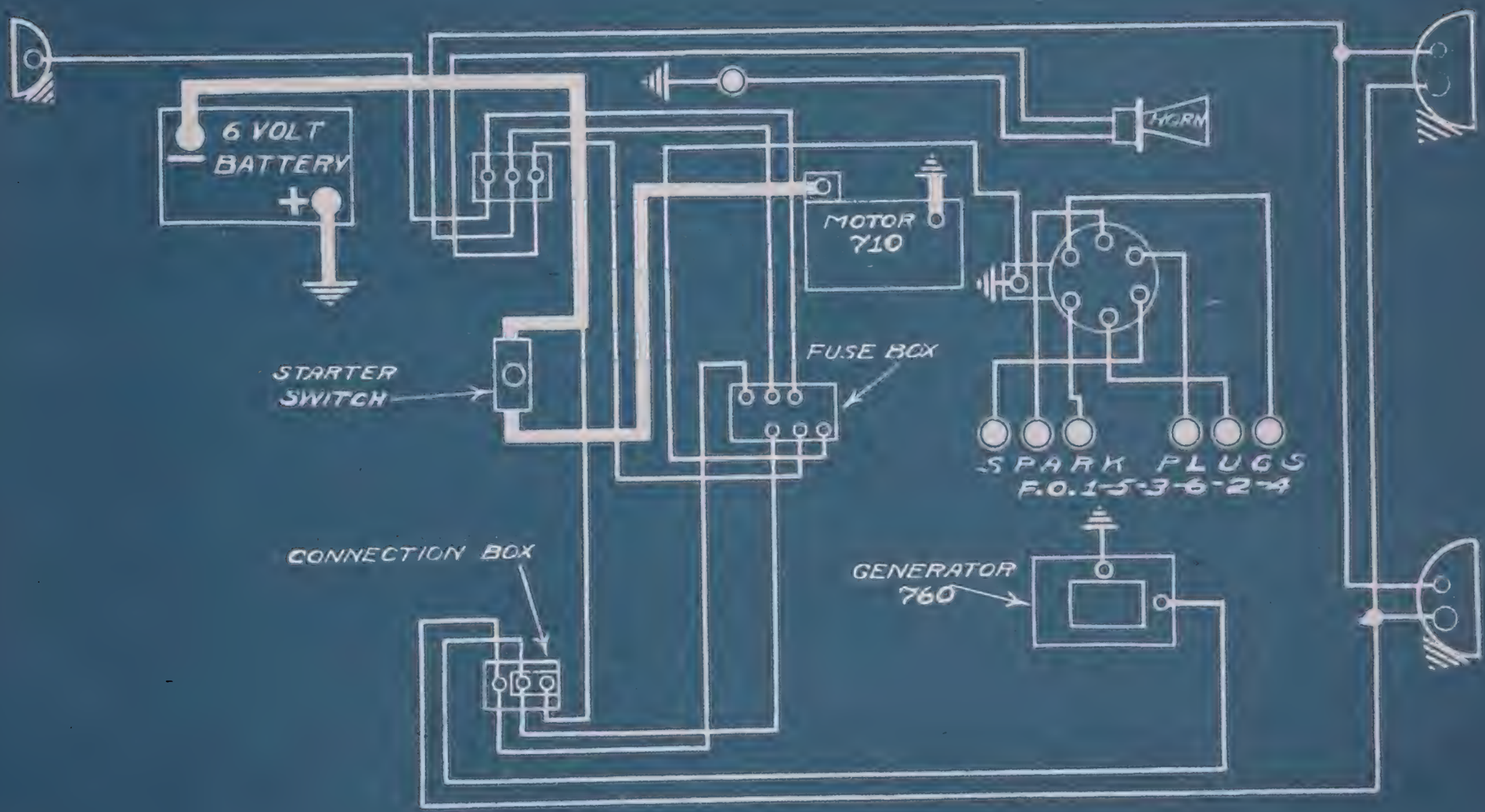
GRAY & DAVIS SYSTEM



CHANDLER "25" 1917-18

WESTINGHOUSE SYSTEM

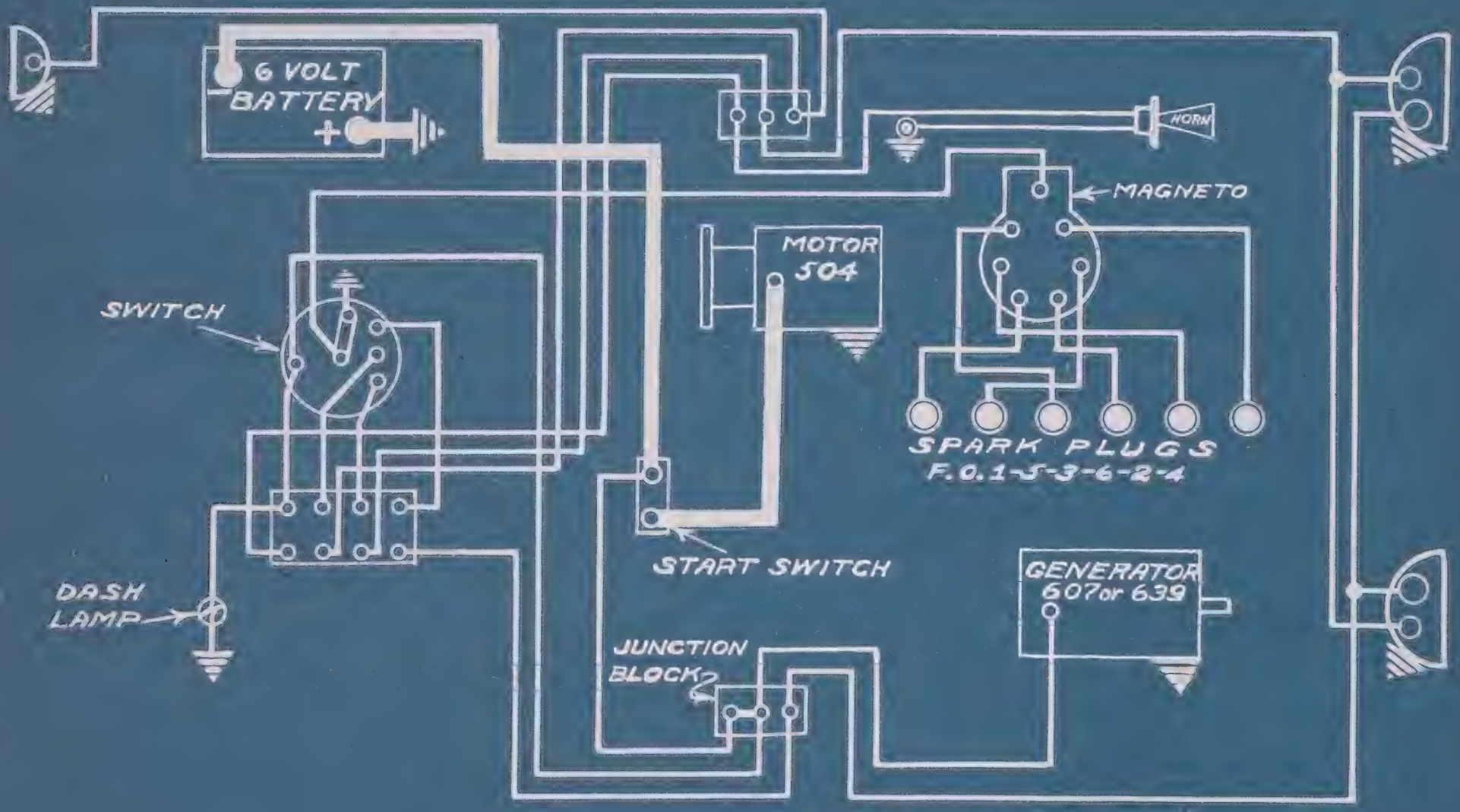
BOSCH MAG. IGN.



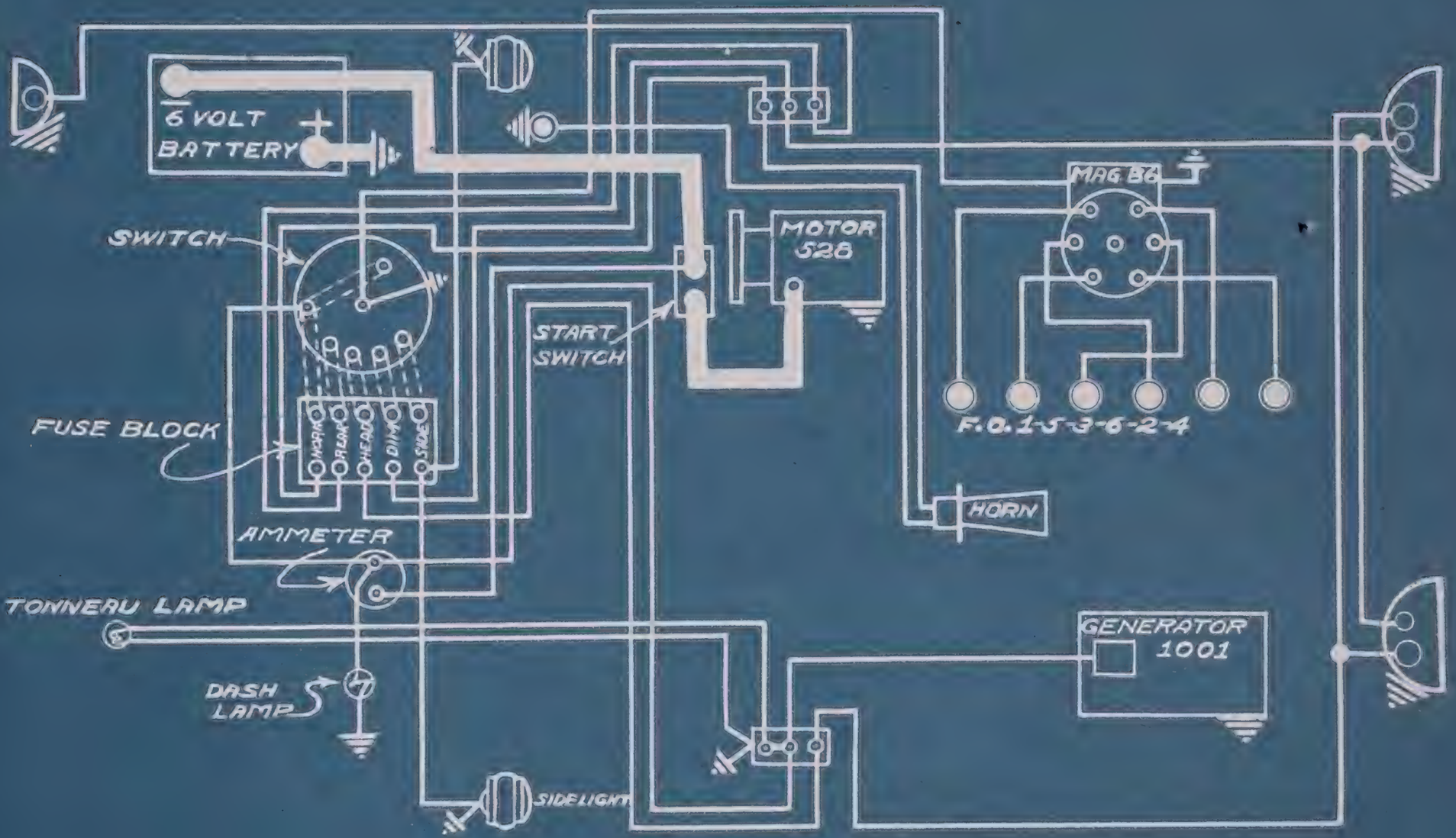
CHANDLER 1919-20-21

GRAY & DAVIS SYS.

BOSCH MAG.



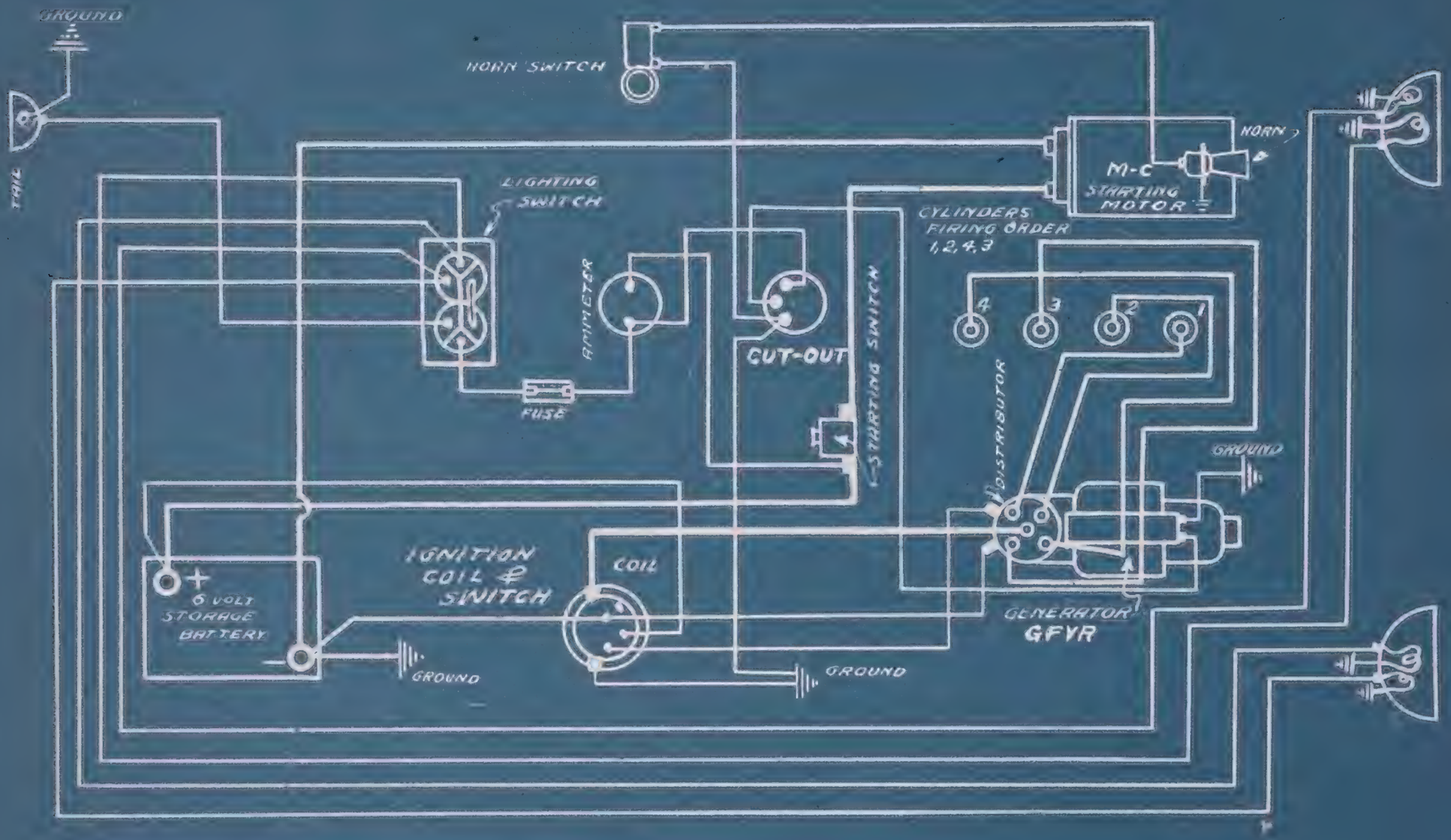
CHANDLER 1922
BOSCH SYSTEM



CHEVROLET 1915 H2-H4-H3

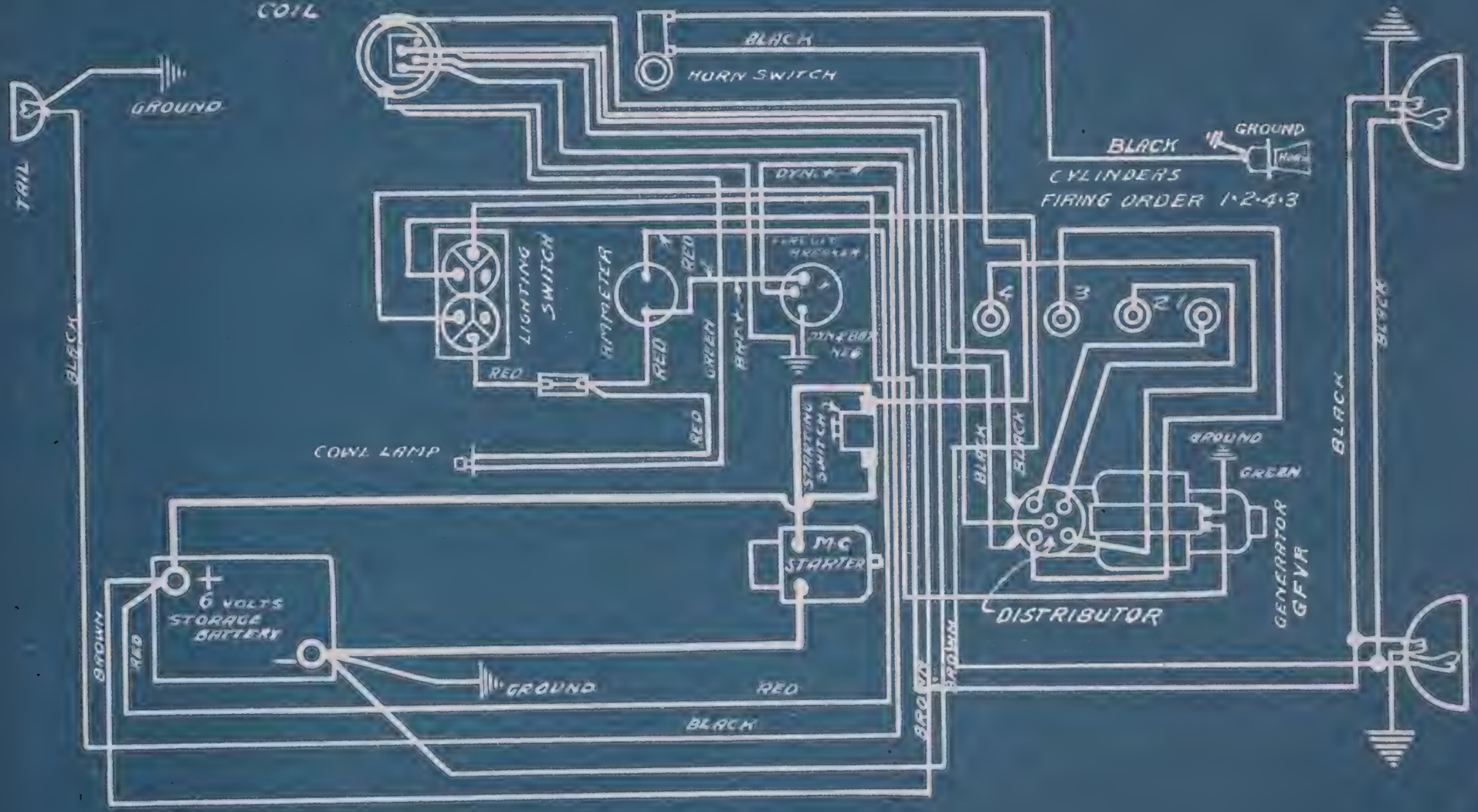
-EARLY MODELS-

AUTOLITE SYSTEM
CONN. IGN.

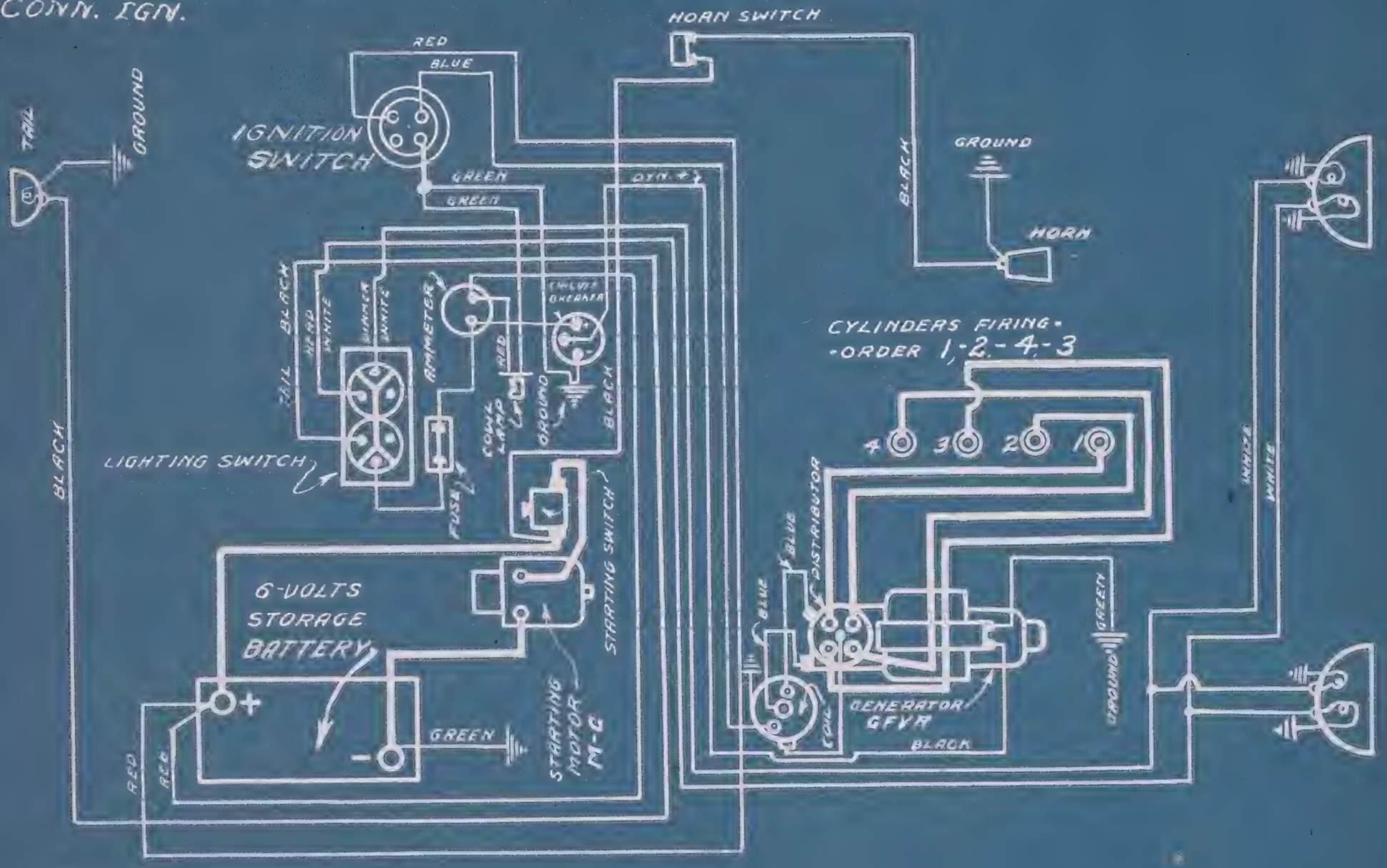


CHEVROLET 1915 H2 - H3 - H4 (MID-SEASON)

AUTOLITE SYSTEM CONN. IGN.



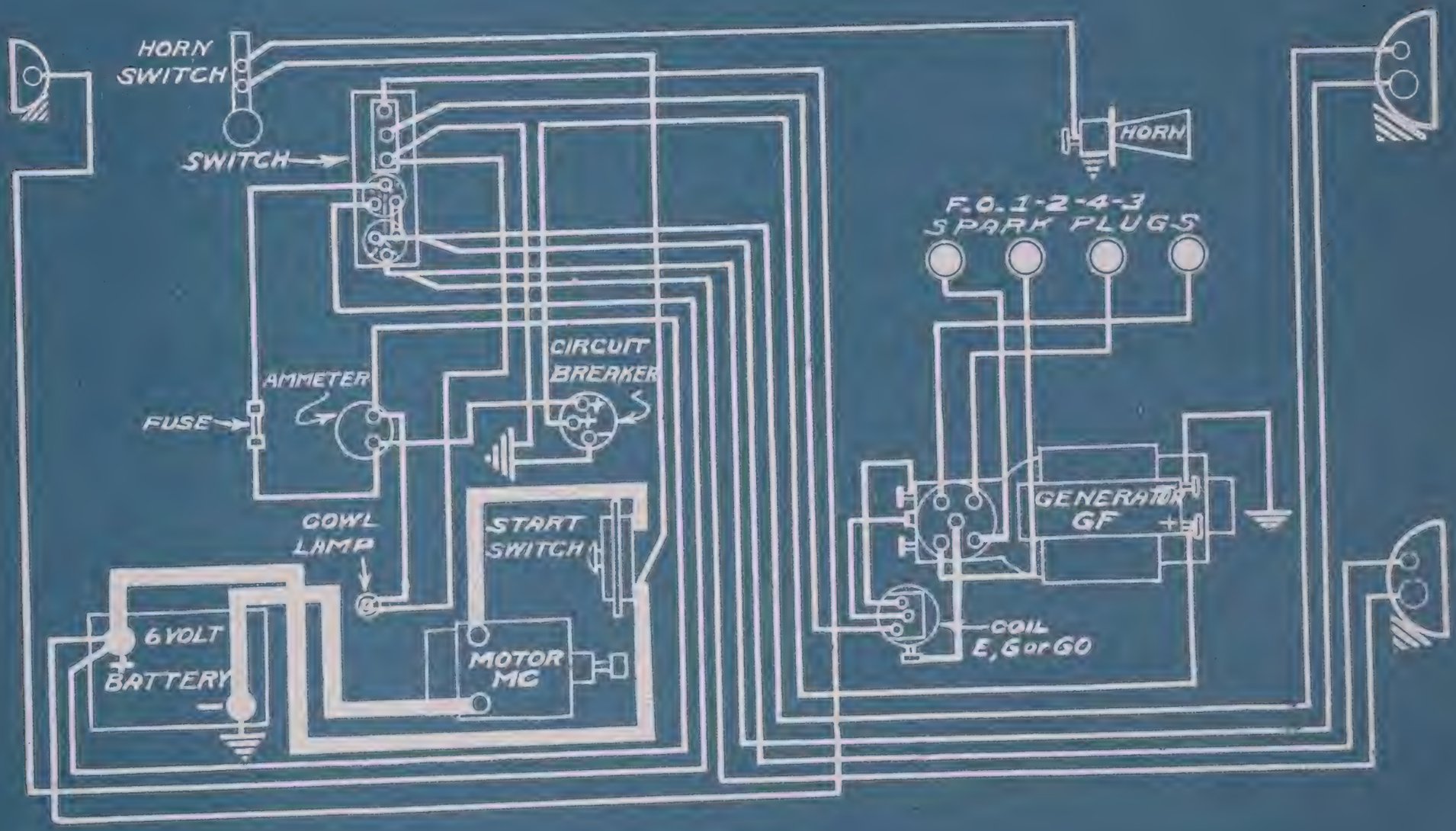
CHEVROLET 1915 H2-H3-H4
AUTOLITE SYSTEM (LATE MODELS)
CONN. IGN.



CHEVROLET "H2½", "H3", "H4", 1916

AUTO-LITE SYSTEM

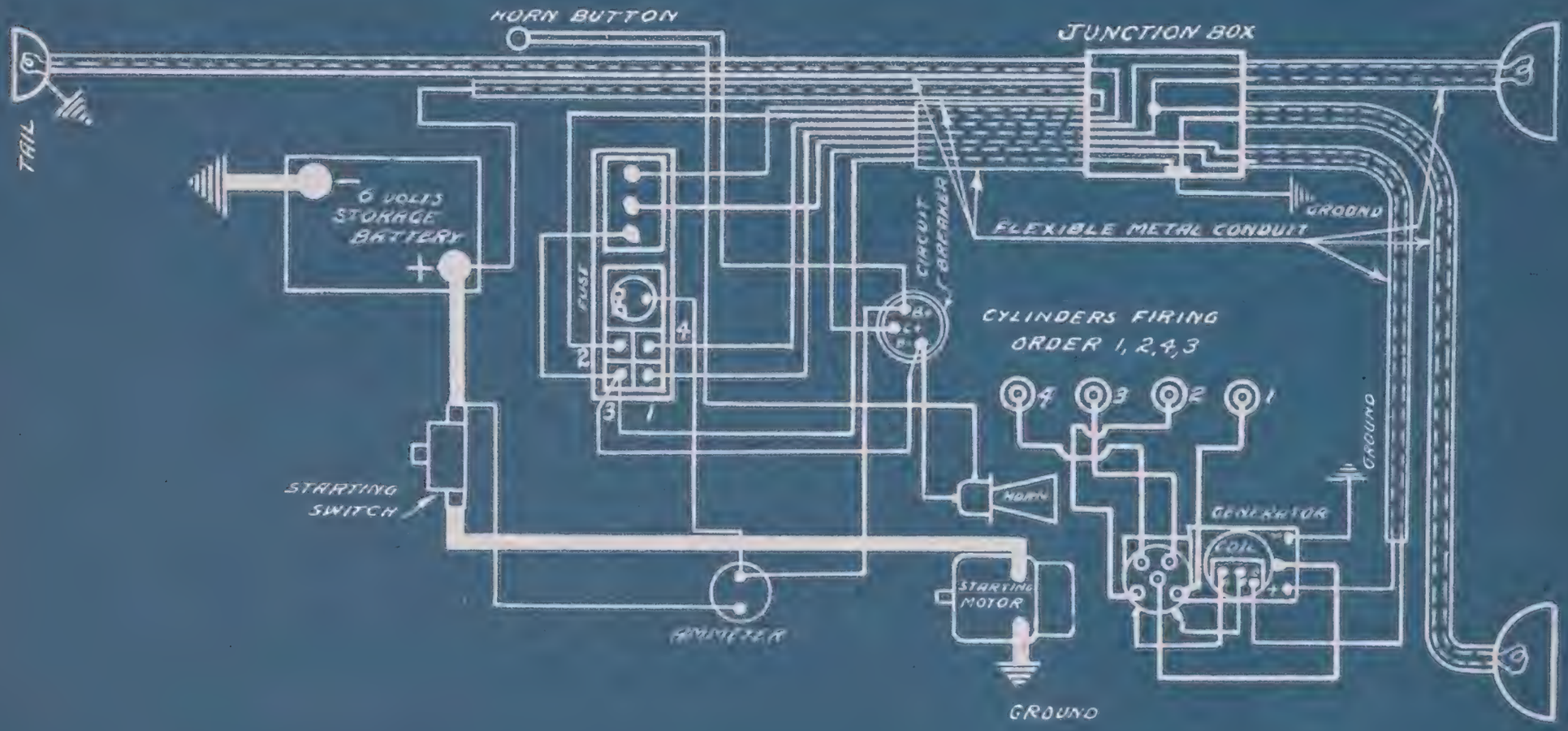
CONNECTICUT IGN.



CHEVROLET 1916 "490"

AUTOLITE SYSTEM CONN. IGN.

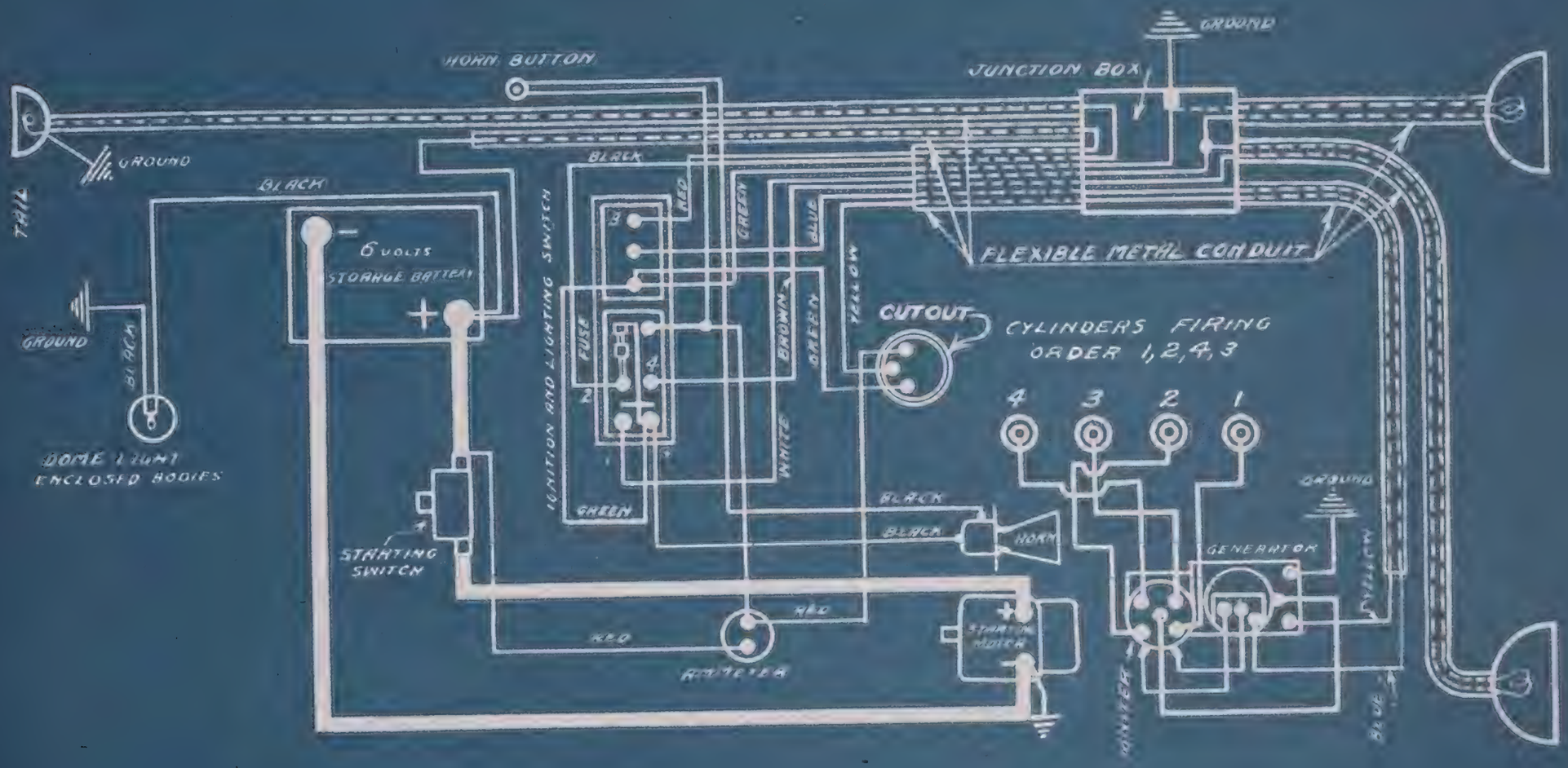
FOR CARS EQUIPPED WITH ONE CABLE FROM STARTING MOTOR TO BATTERY



CHEVROLET 1916-1917 "490"

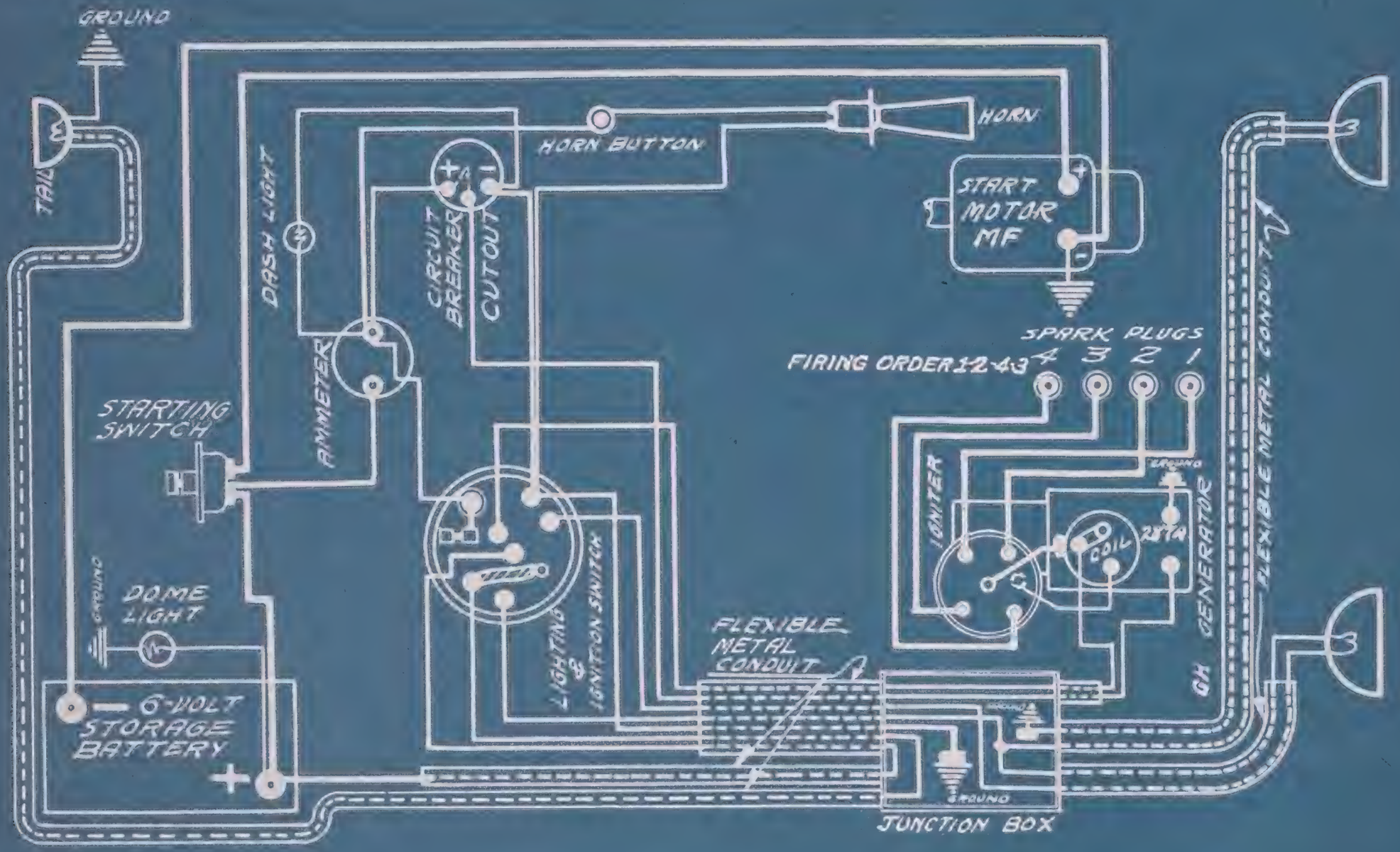
AUTOLITE SYSTEM CONN. IGN.

FOR CARS EQUIPPED WITH TWO CABLES FROM STARTING MOTOR TO BATTERY



CHEVROLET 1917-1918 "F-2" & "F-5"

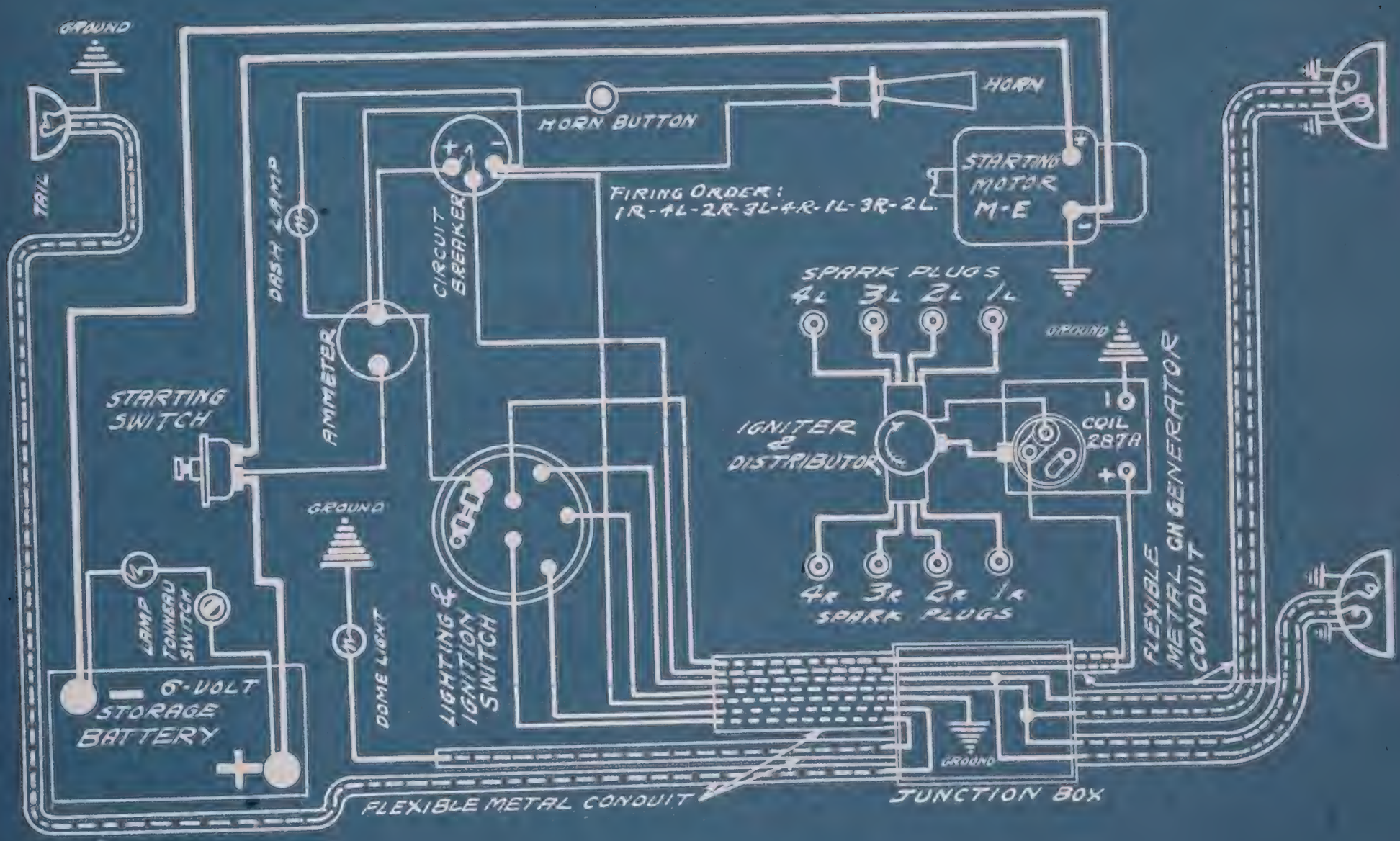
AUTOLITE SYSTEM
REMY IGN.



CHEVROLET 1918 D-4 & D5

AUTOLITE SYSTEM

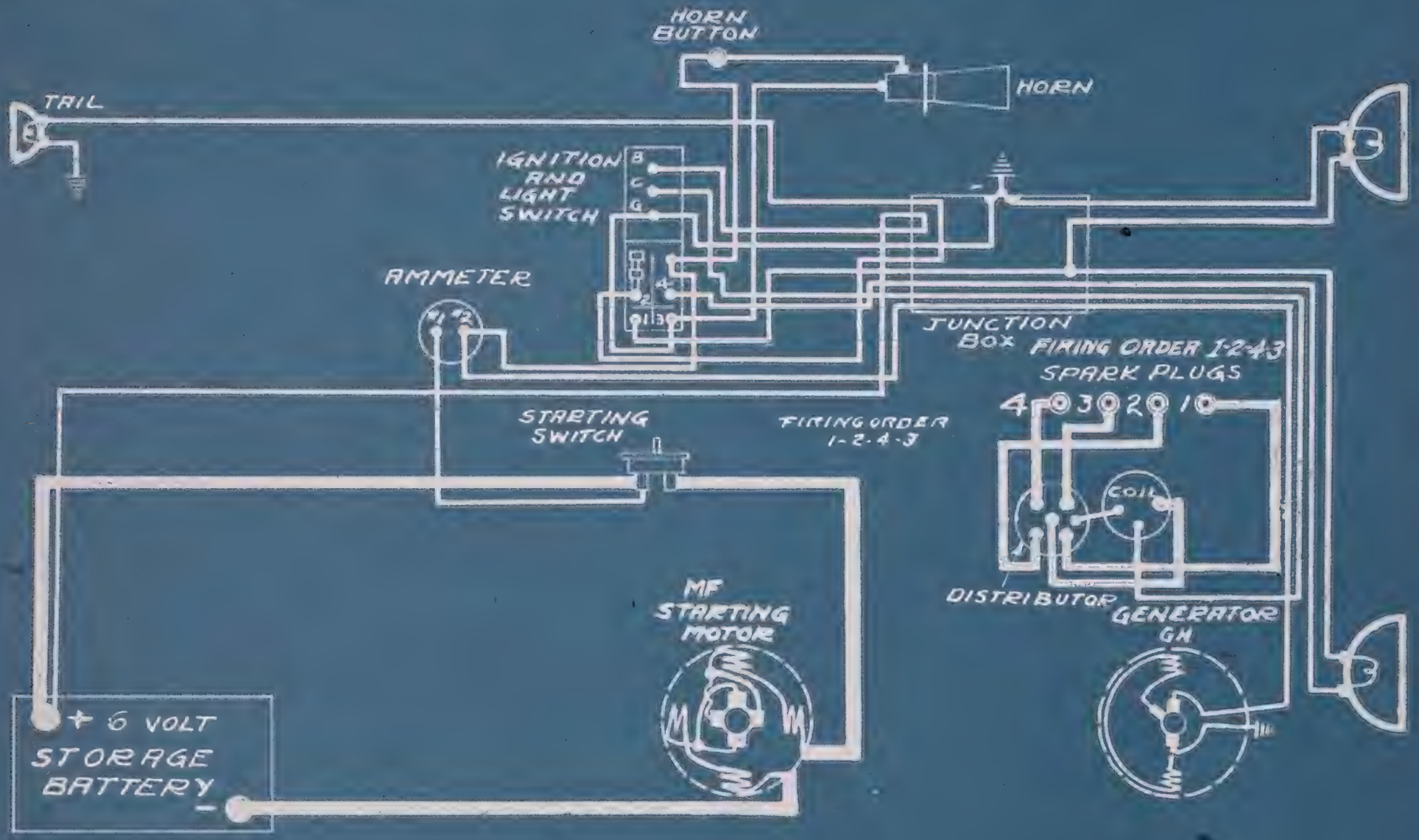
REMY IGN.



CHEVROLET MODEL 490 1919

AUTO LITE STARTING AND LIGHTING UP TO 300,000 CARS

REMY IGNITION

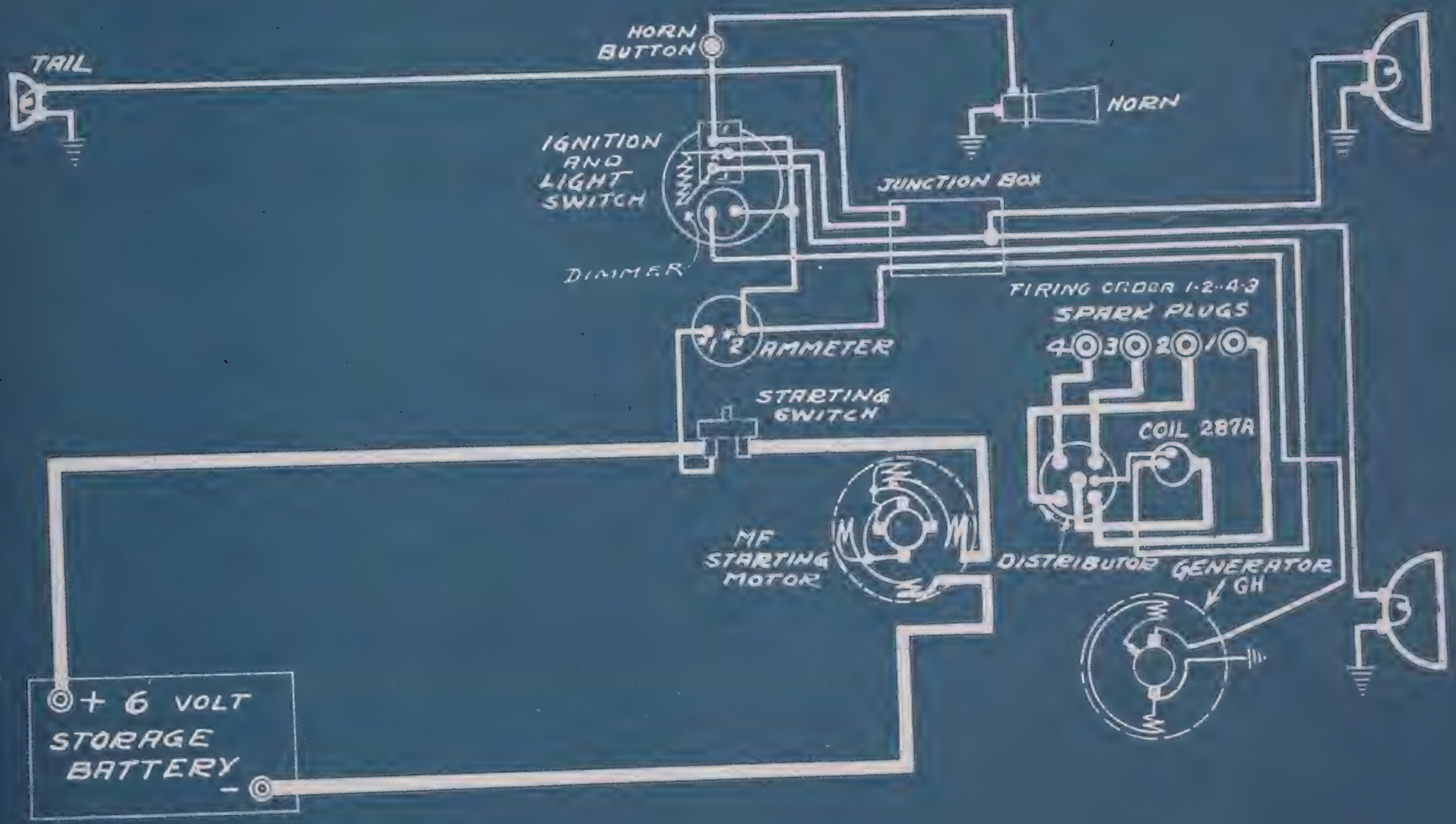


CHEVROLET MODEL 490 1919-1920

AUTO LITE STARTING AND LIGHTING

REMY IGNITION

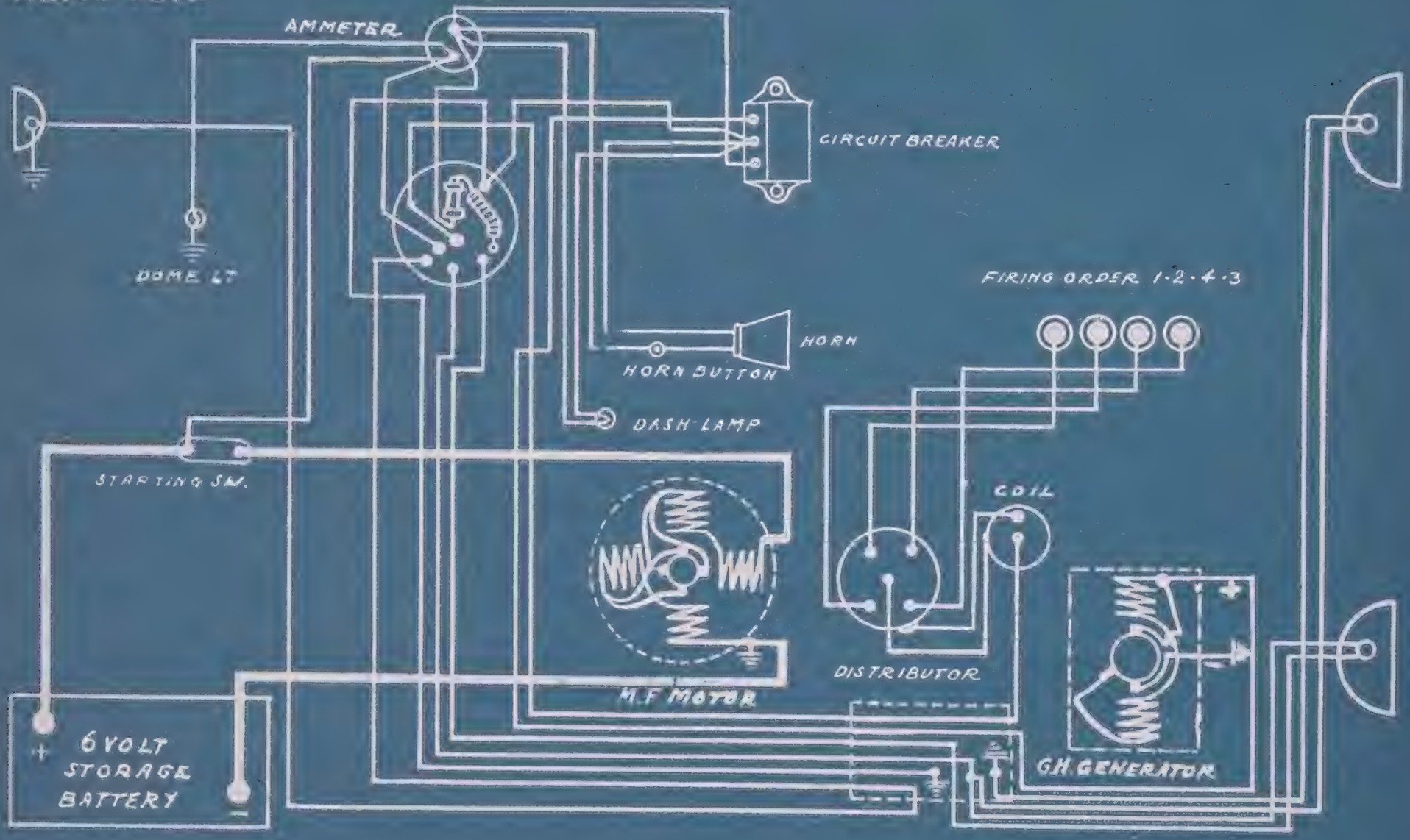
AFTER 300,000 CARS



CHEVROLET "F B" 1919-1920

AUTO-LITE SYSTEM

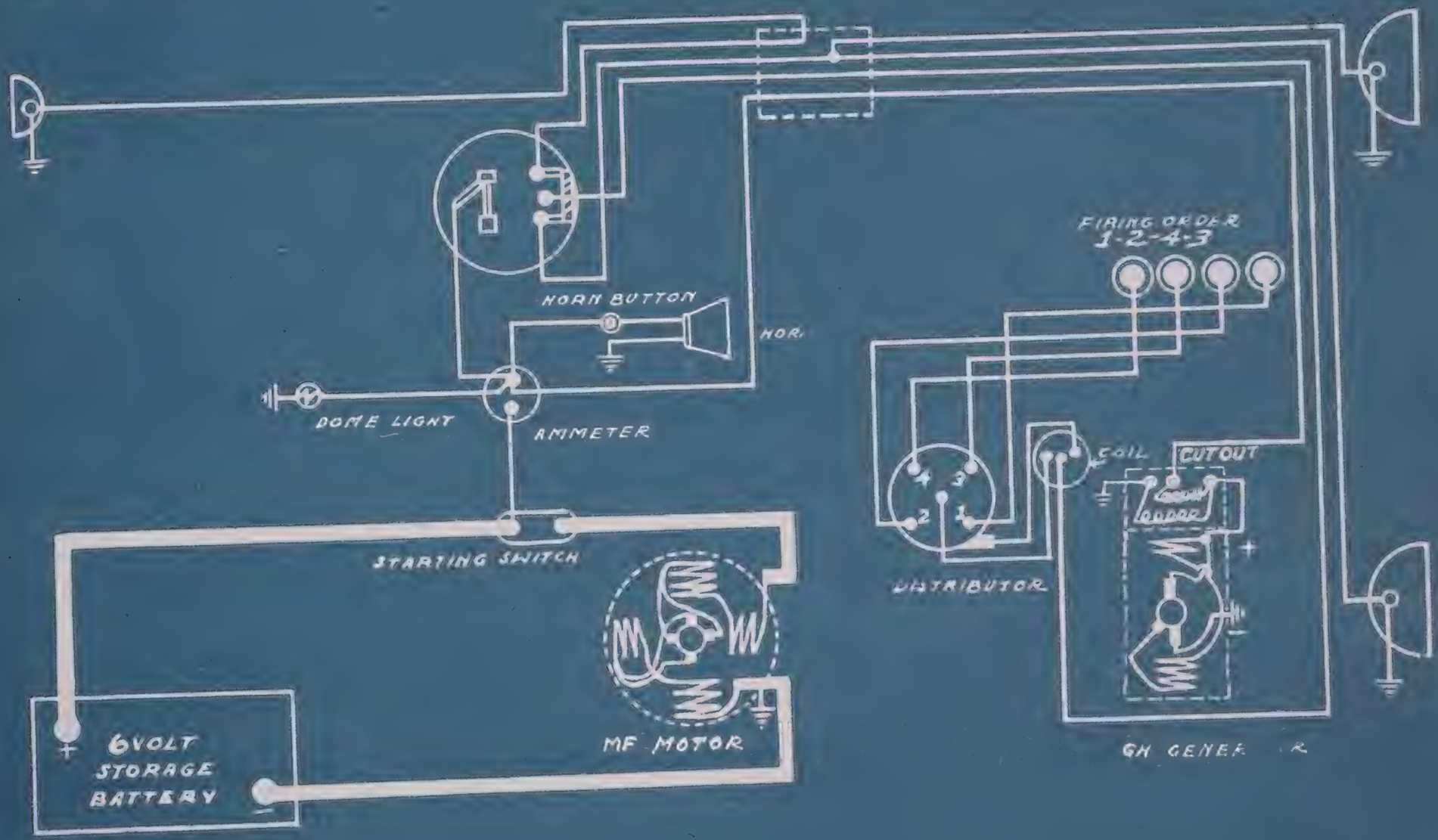
REMY IGN.



CHEVROLET "490" 1921

AUTO LITE SYSTEM

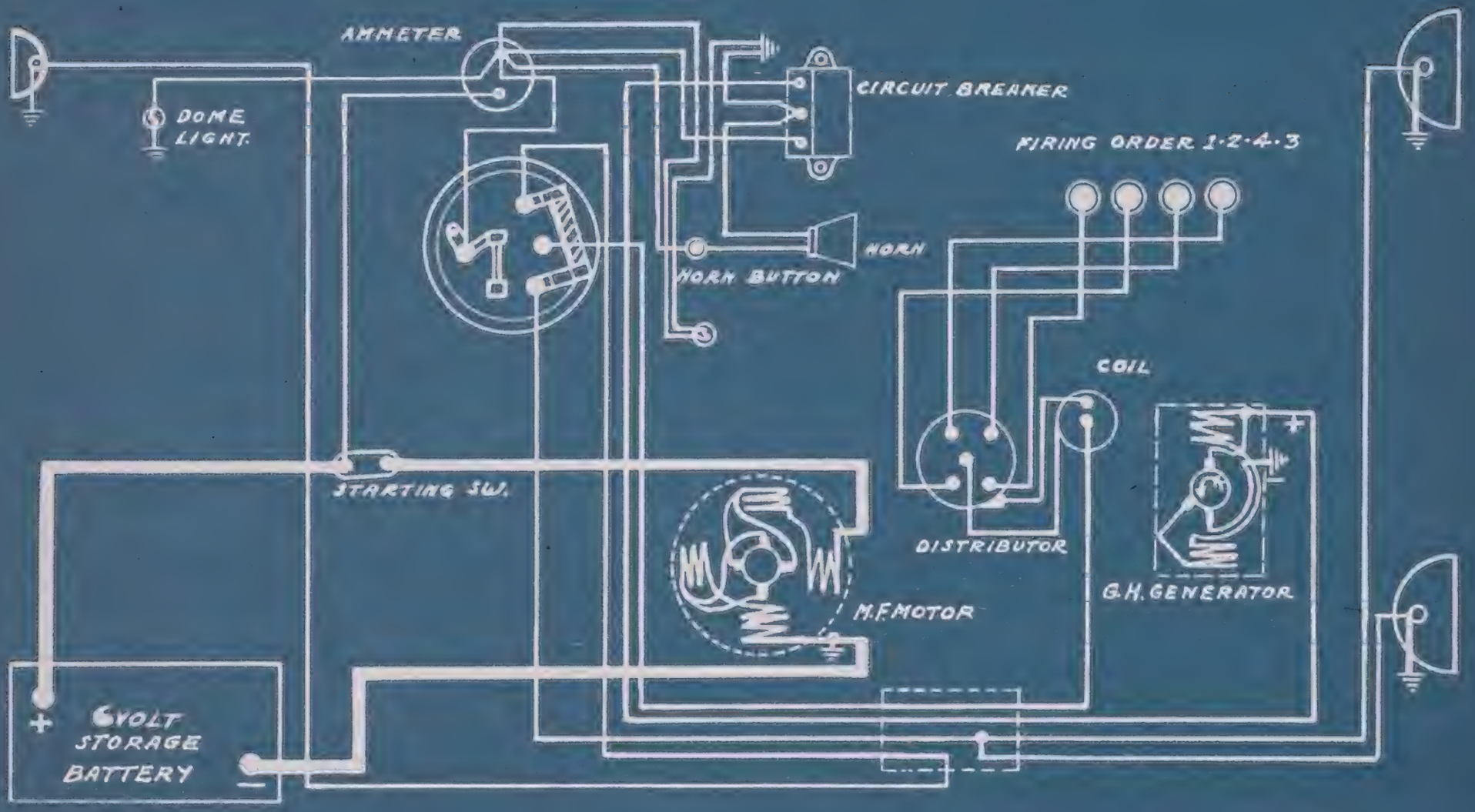
REMY IGN.



CHEVROLET "FB" 1921-1922

AUTO-LITE OR REMY SYS.

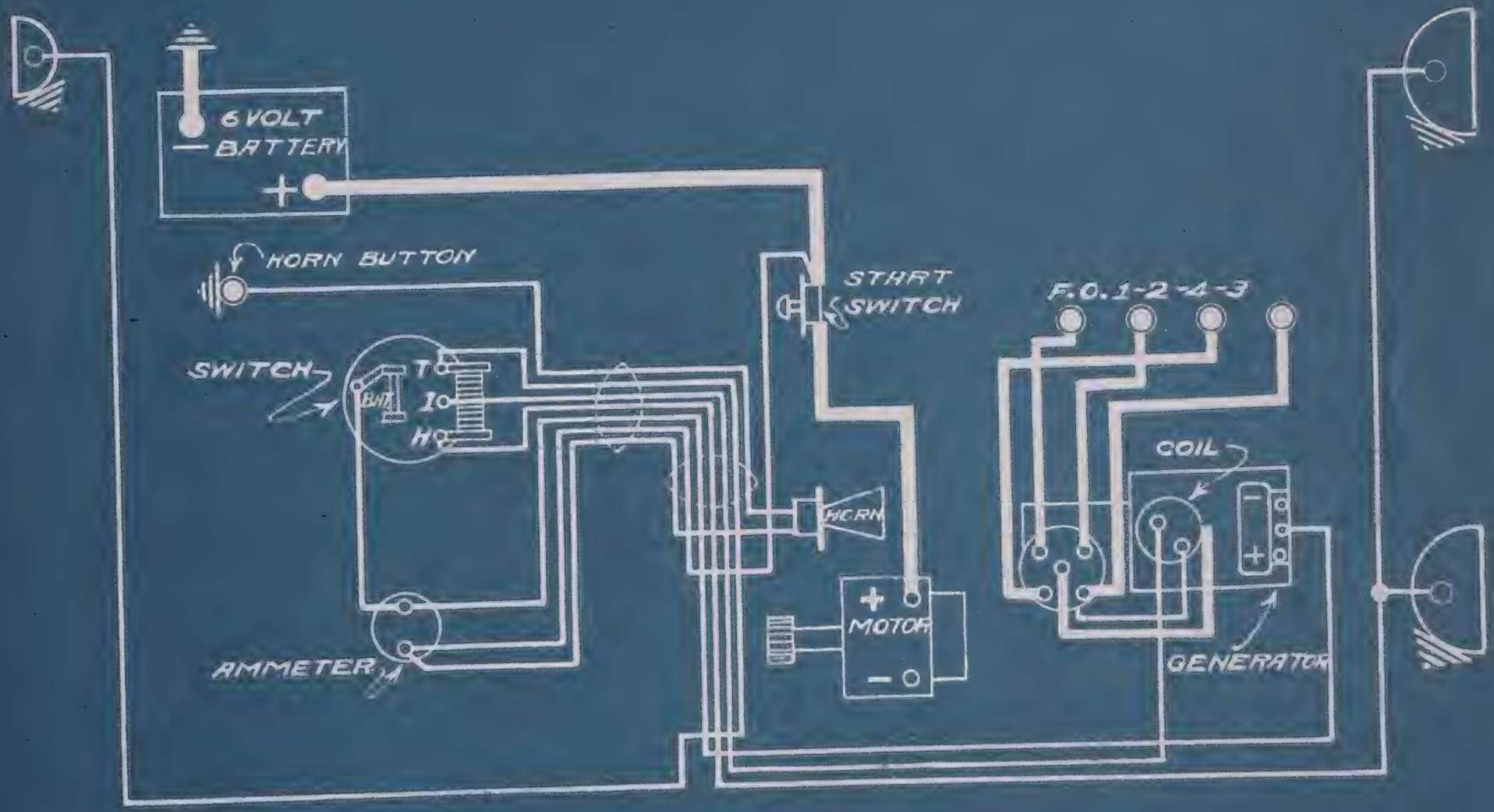
REMY IGN.



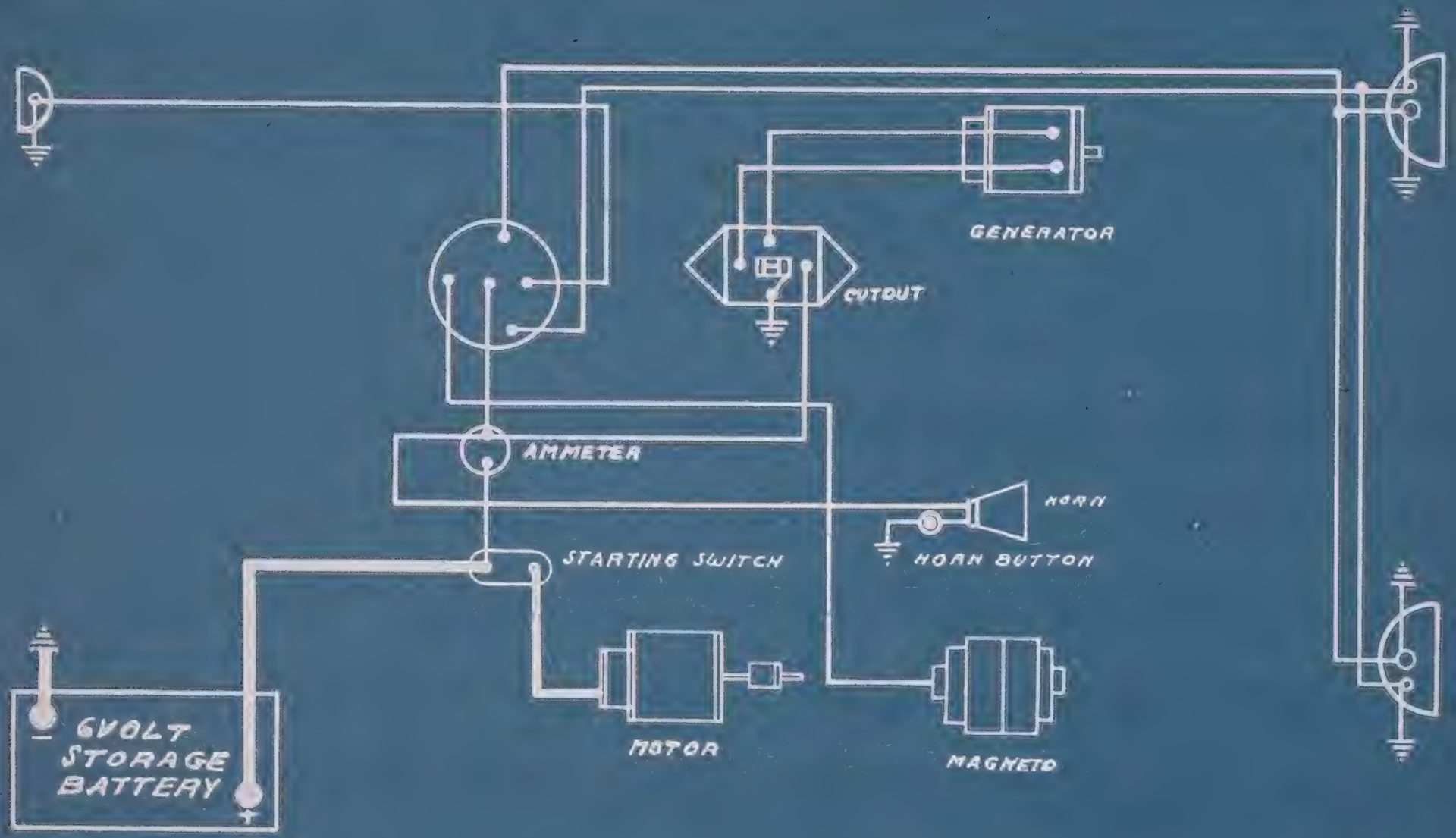
CHEVROLET "490" 1922

AUTO-LITE SYSTEM

REMY IGN.



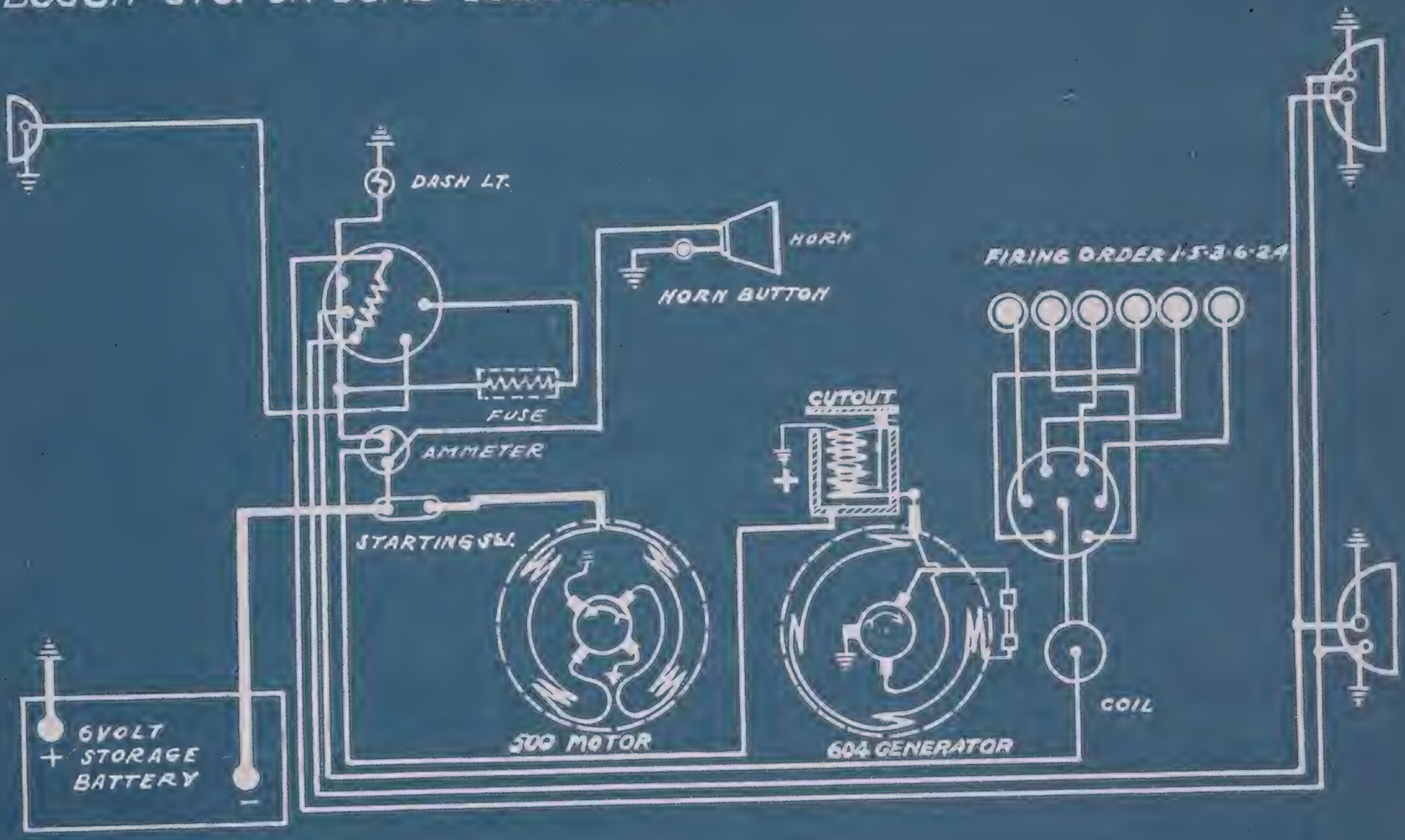
CITROEN 1921
CITROEN SYSTEM



CLEVELAND 1919-1920-1921

GRAY & DAVIS SYSTEM

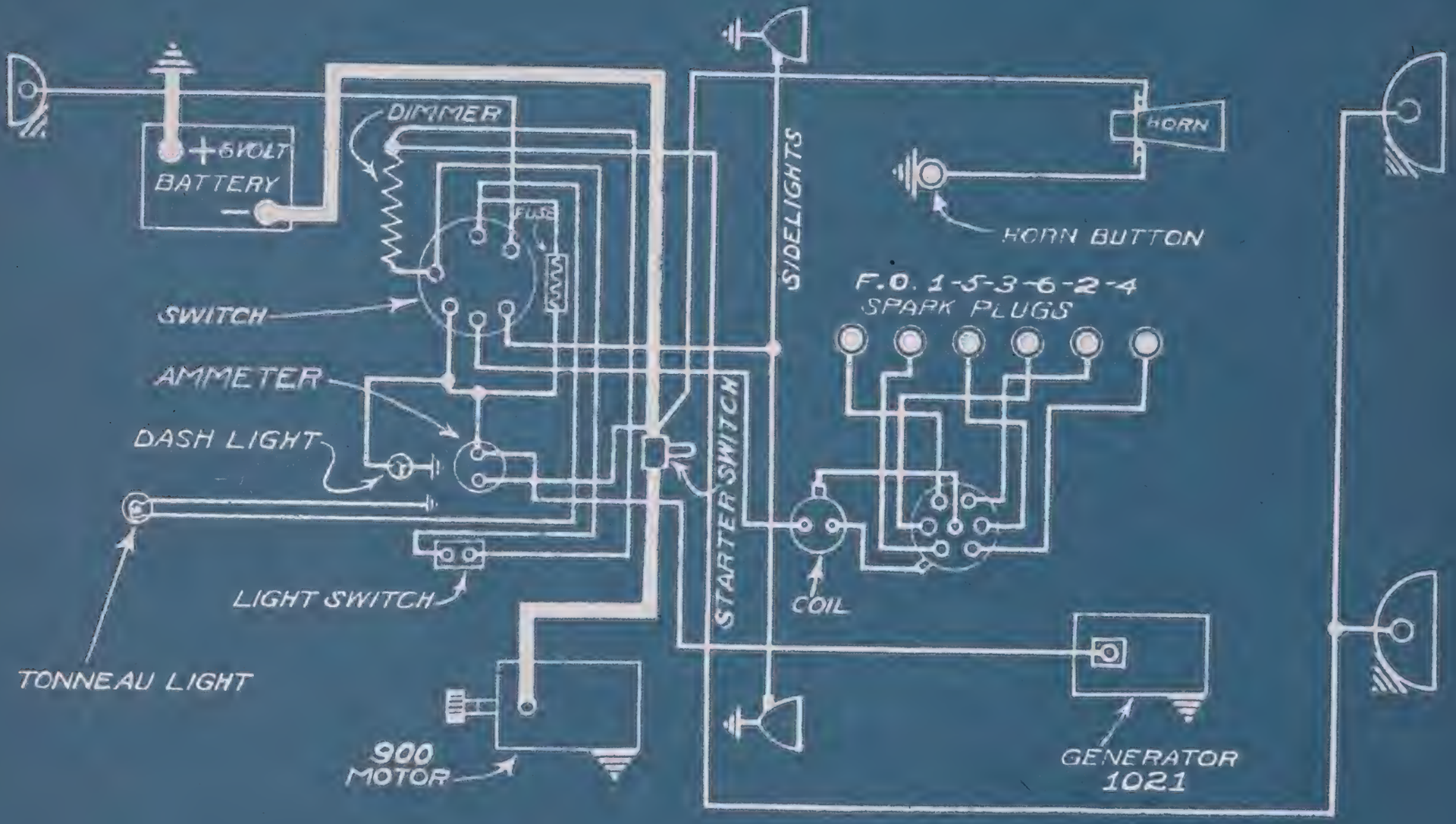
BOSCH SYS. ON SOME 1921 CARS



CLEVELAND "41" 1922

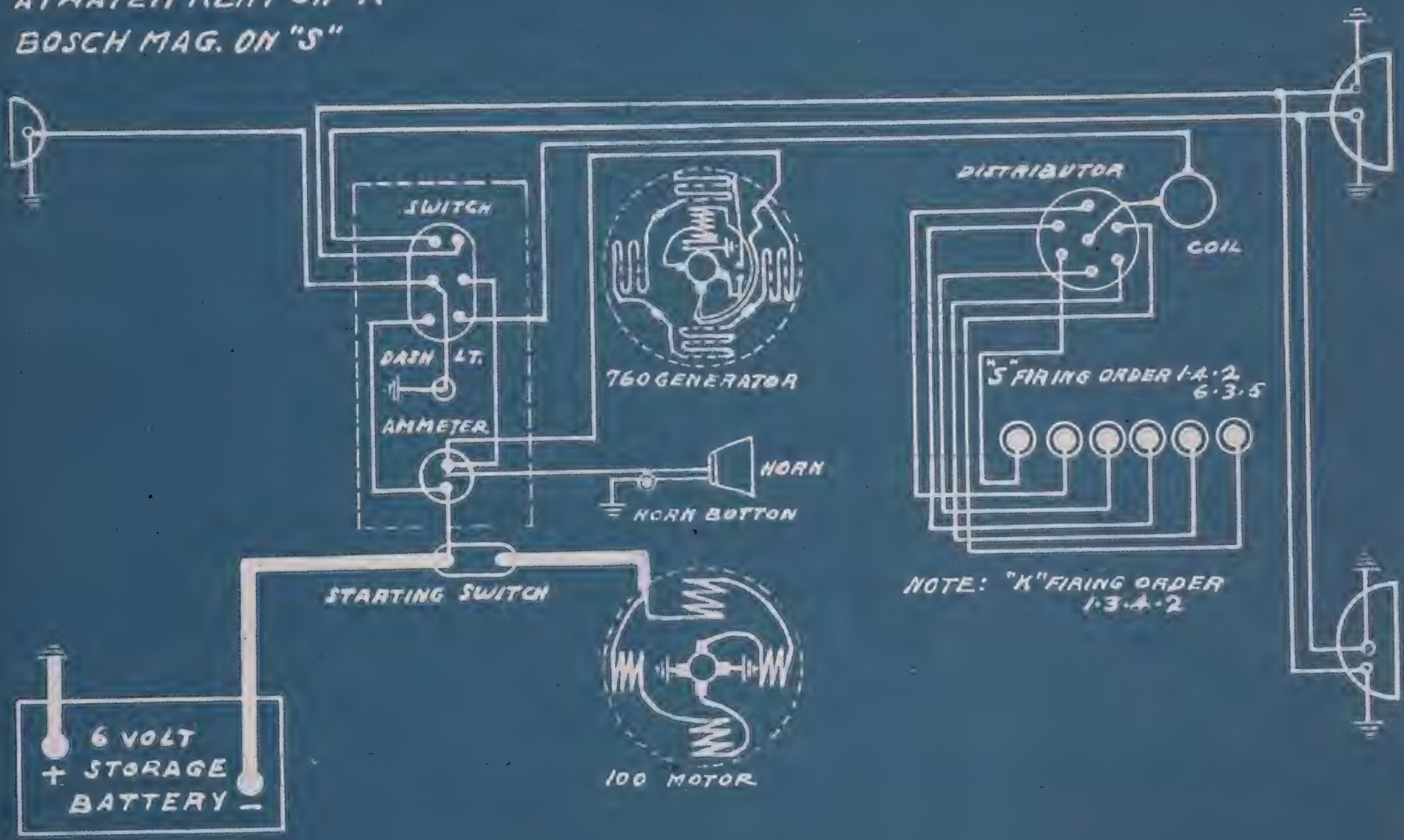
BOSCH SYSTEM

GRAY & DAVIS IGN.



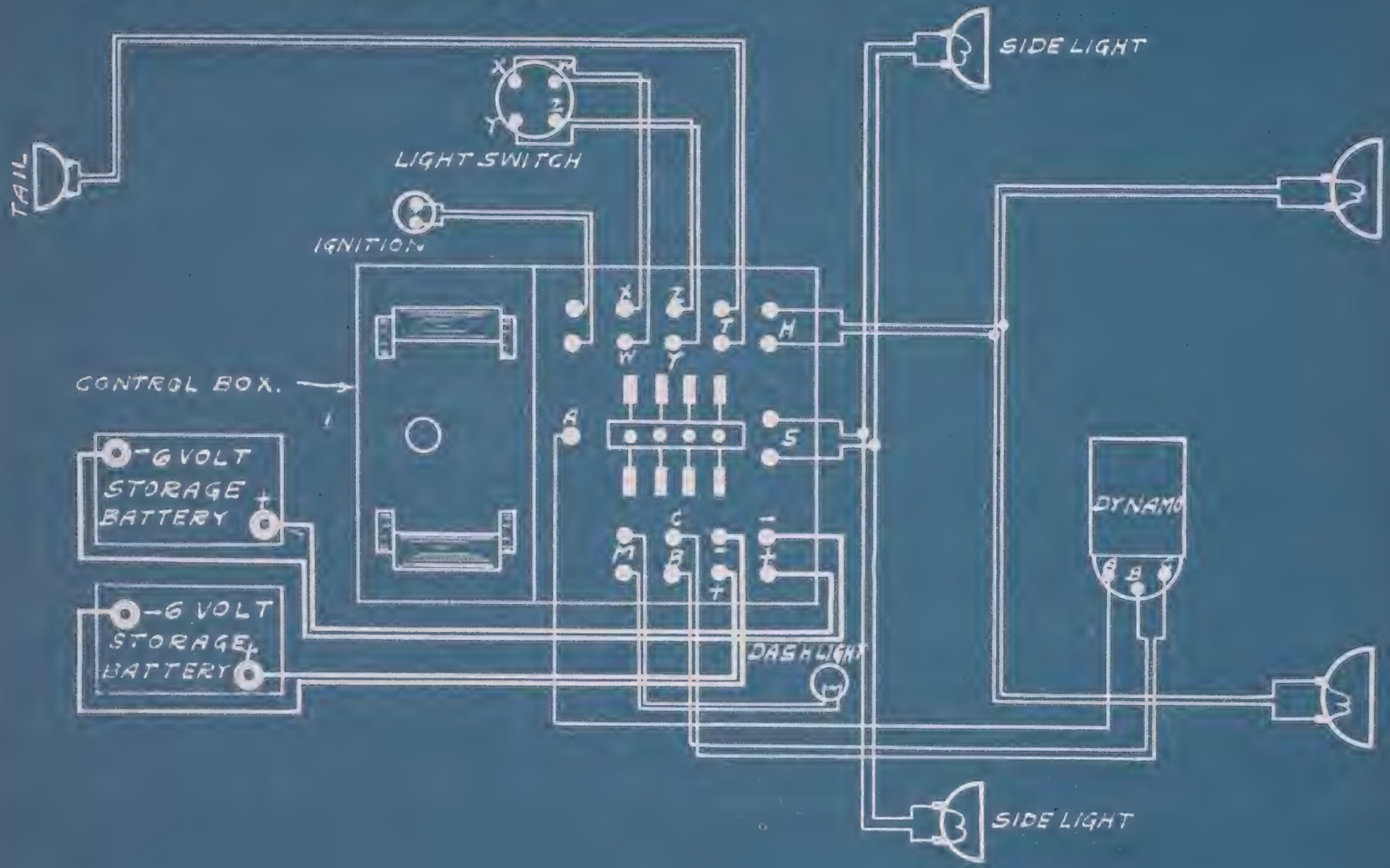
CLIMBER "K" 4 CYL. "S" 6 CYL. 1920-1921-1922

WESTINGHOUSE SYSTEM
ATWATER KENT ON "K"
BOSCH MAG. ON "S"

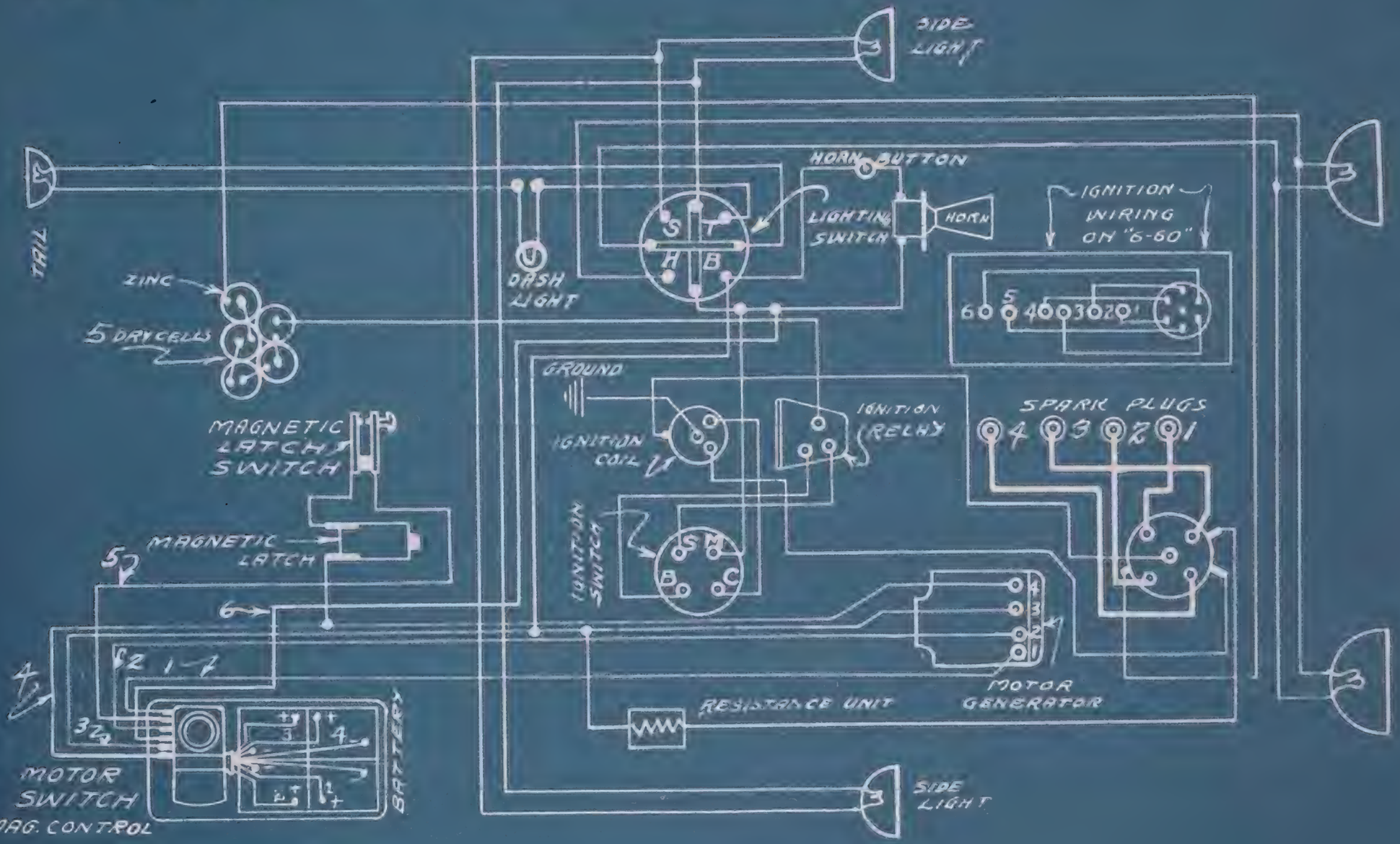


COLE 1912 30-40

WARD - LEONARD LIGHTING SYSTEM

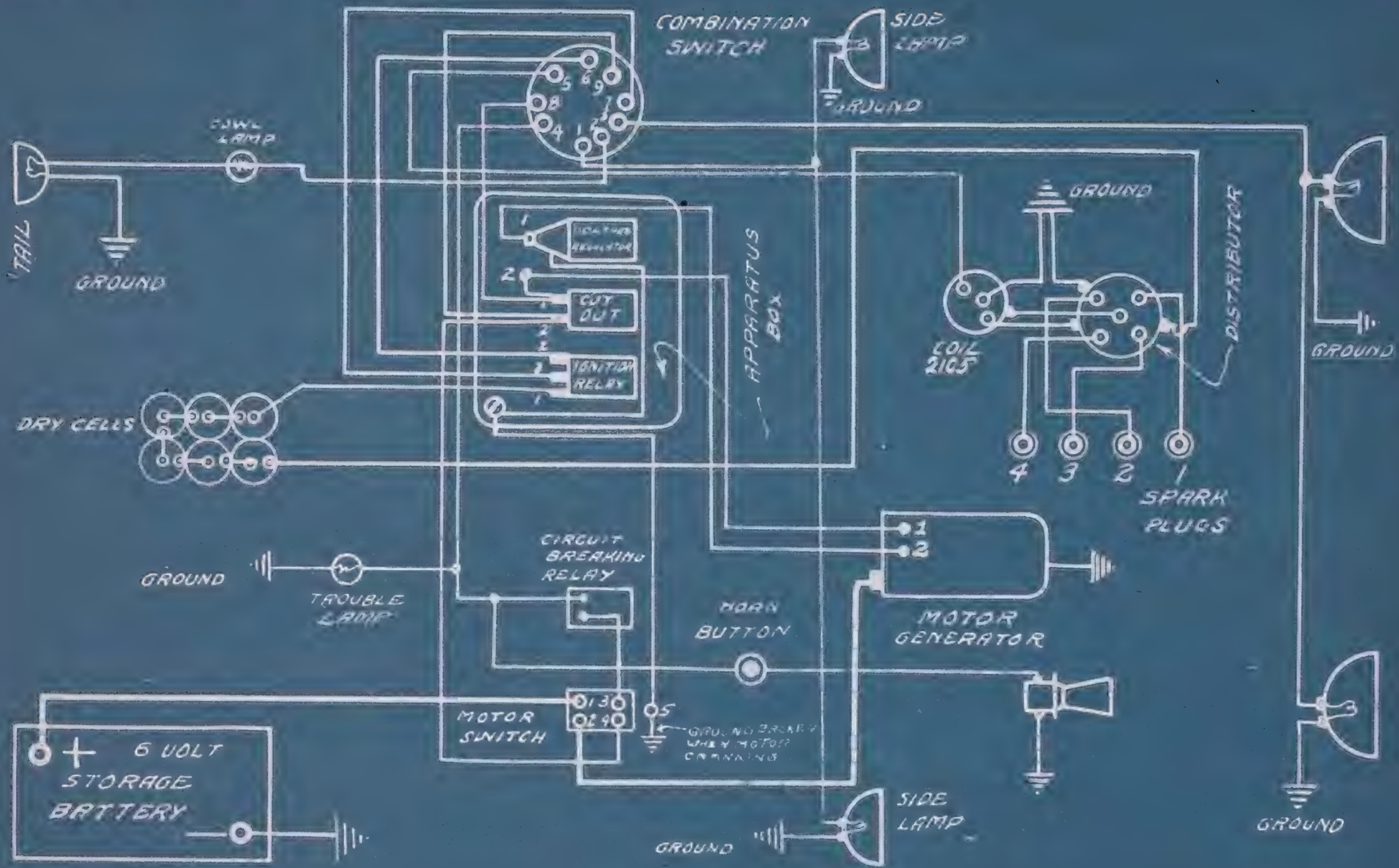


COLE 1913 4-40 4-50 6-60
DELCO SYSTEM.

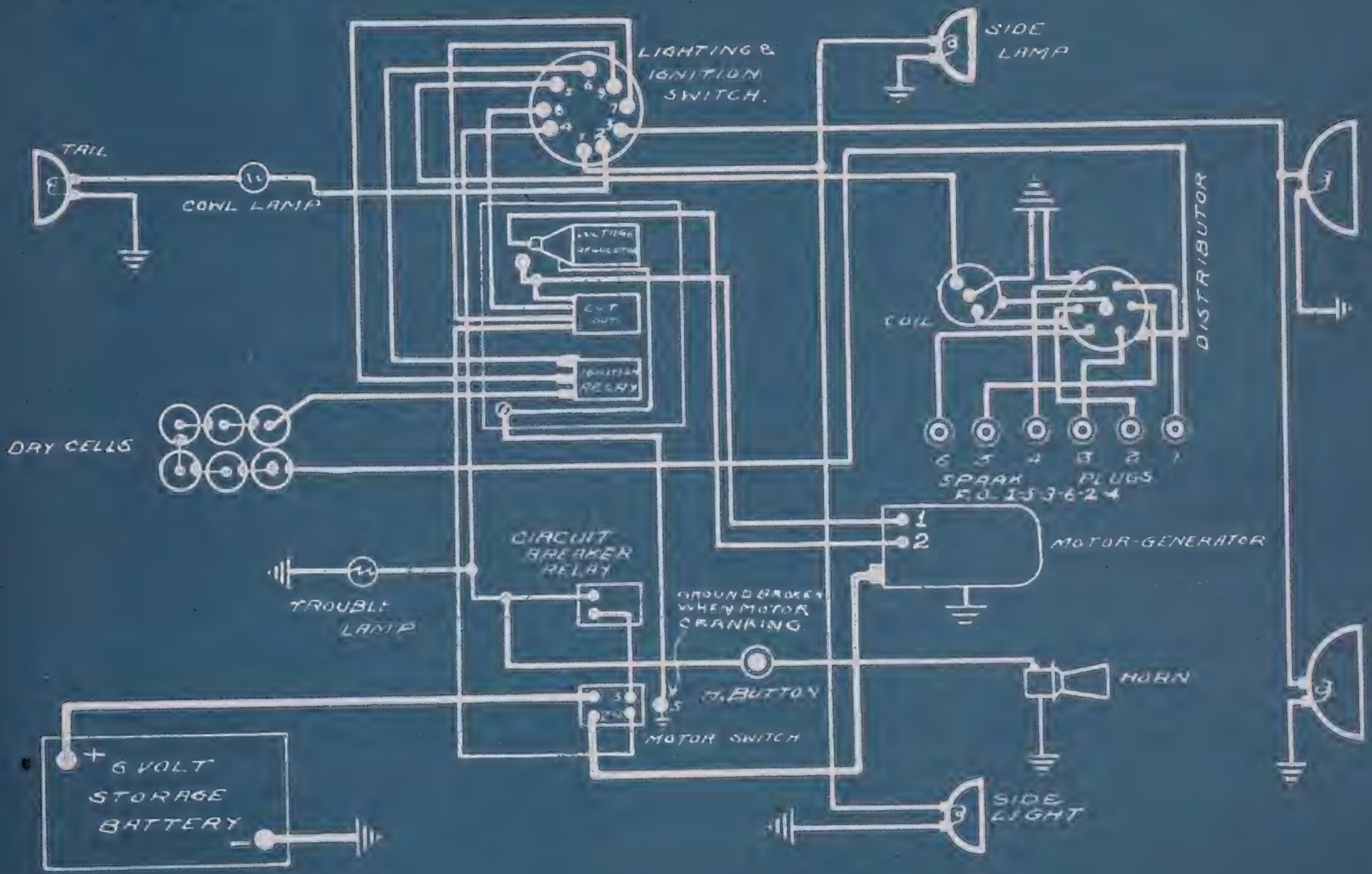


COLE 1914 "4"

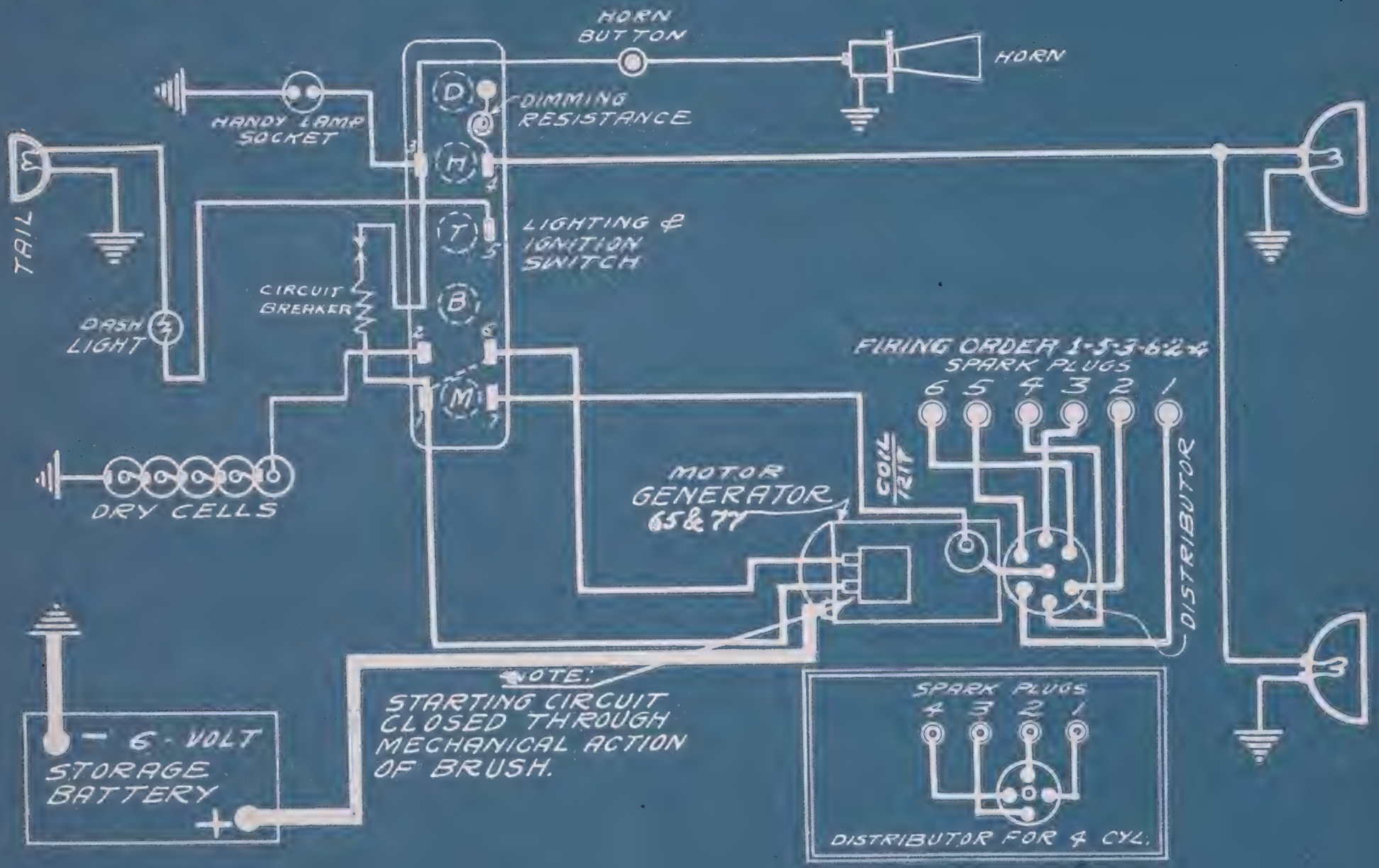
DELCO SYSTEM



COLE 1914 "6"
DELCO SYSTEM

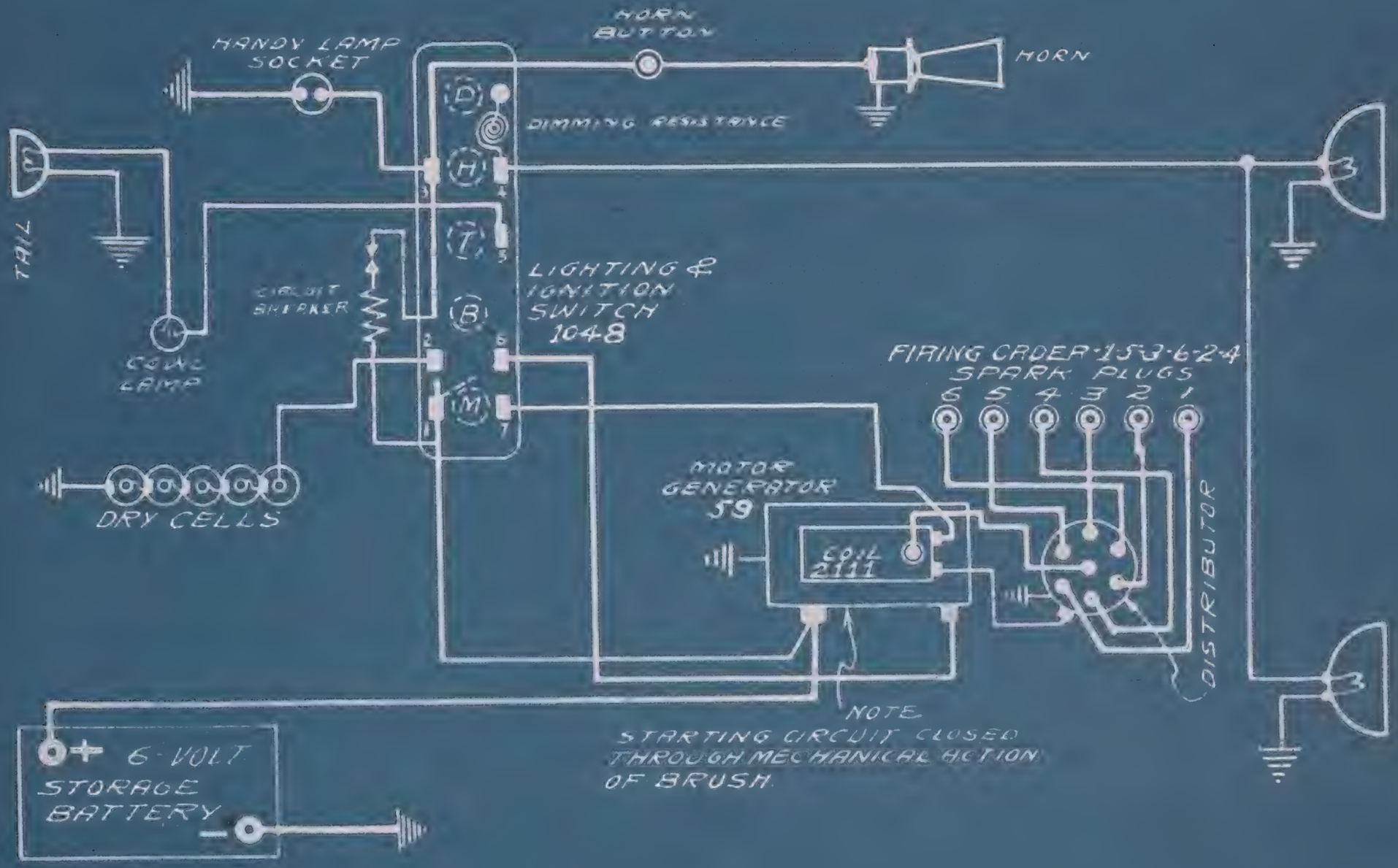


COLE 1915 "4-40" & 1916 "6-66"
DELCO SYSTEM



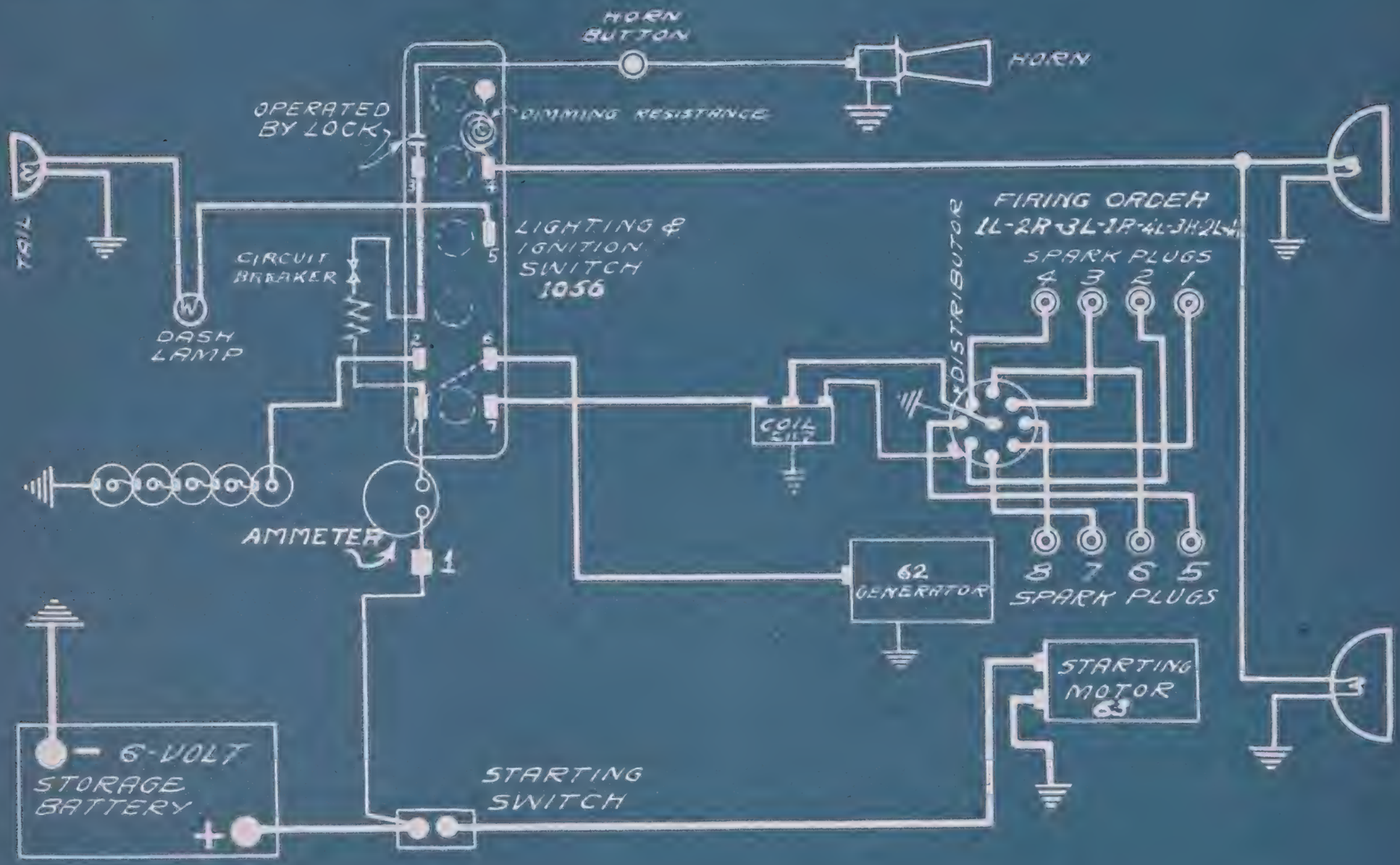
COLE 1915 "6-50"

DELCO SYSTEM



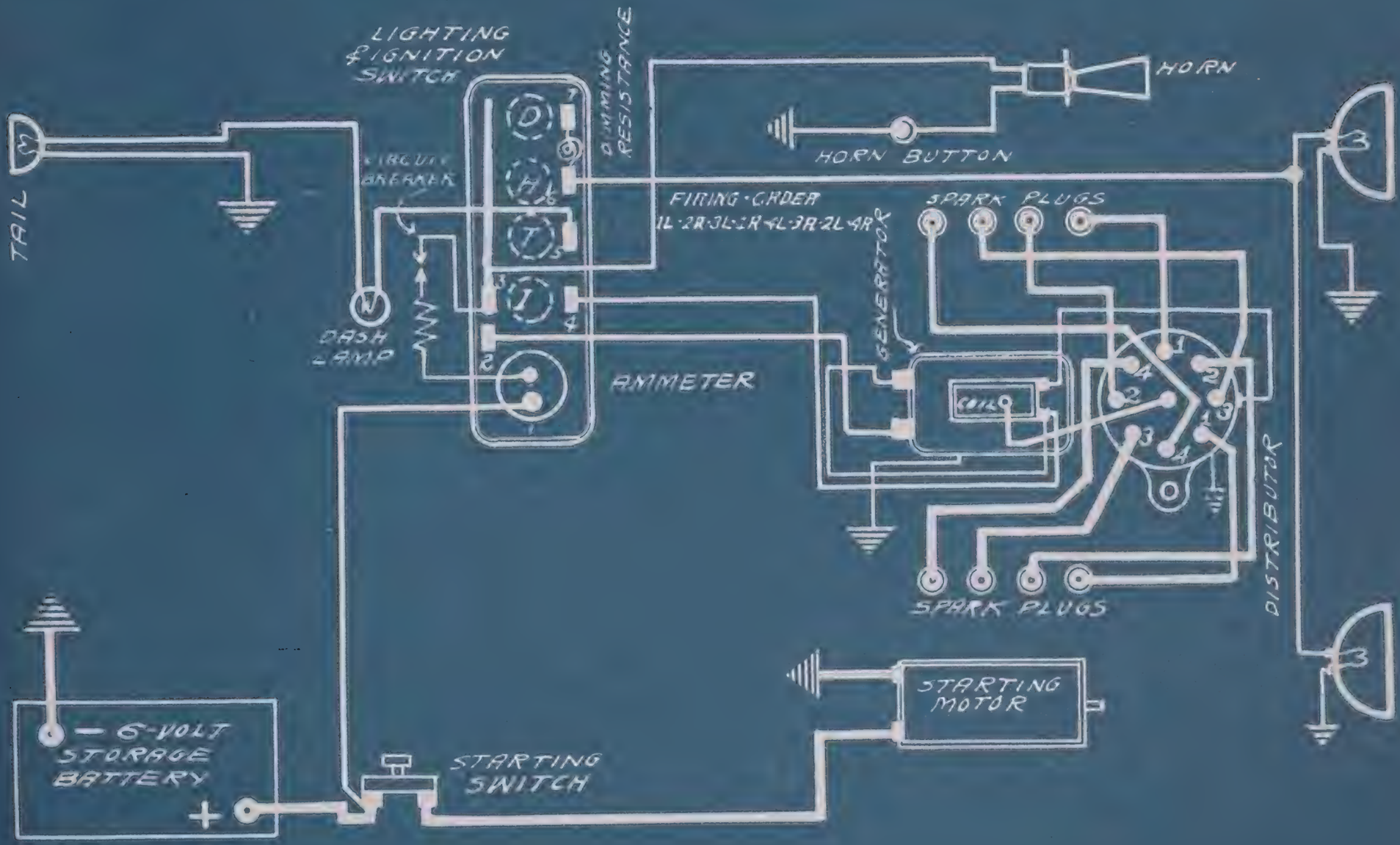
COLE 1916 "8-50"

DELCO SYSTEM



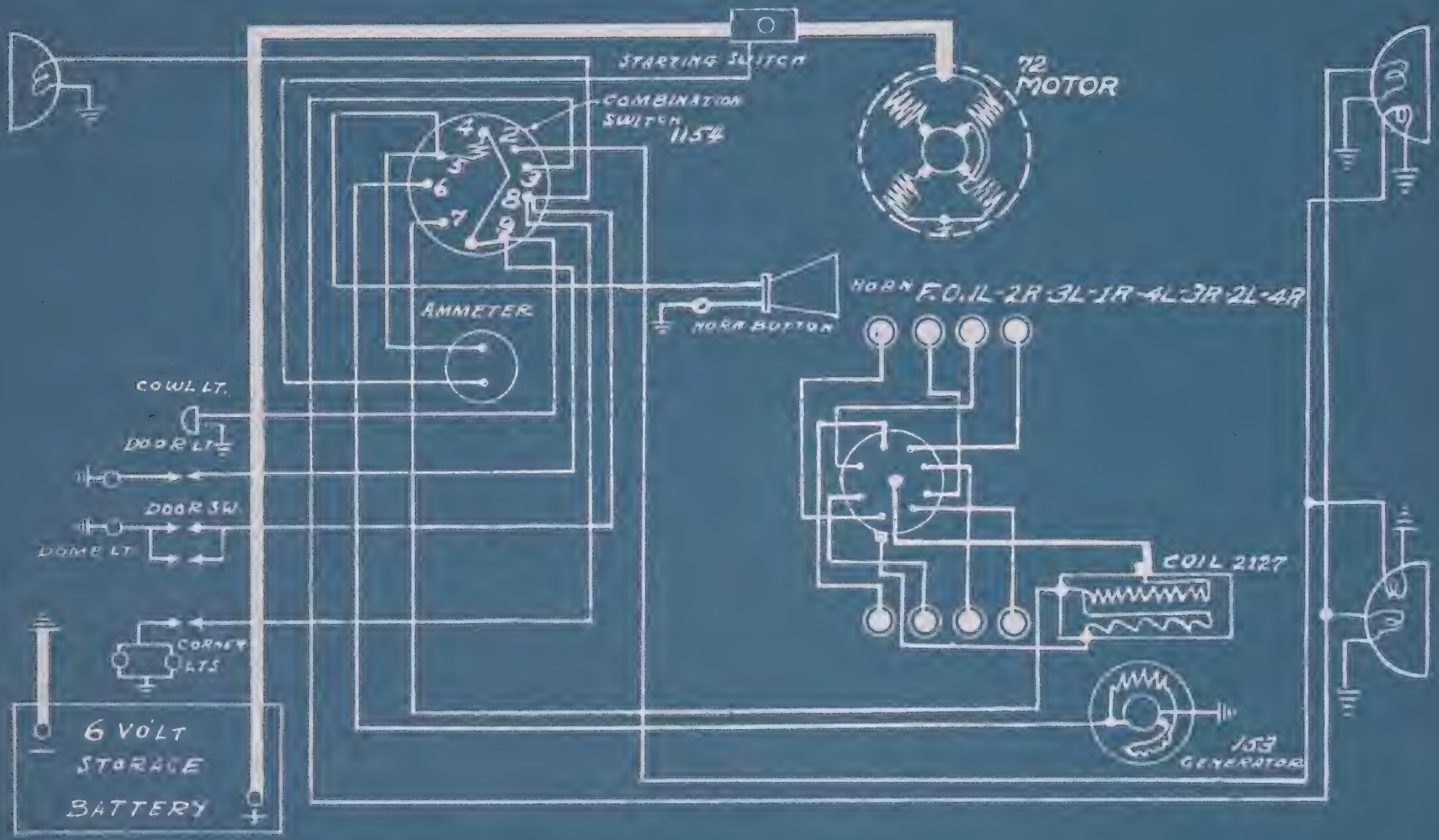
COLE 1917-18 "8-60" - 1919 EARLY MODELS

DELCO SYSTEM



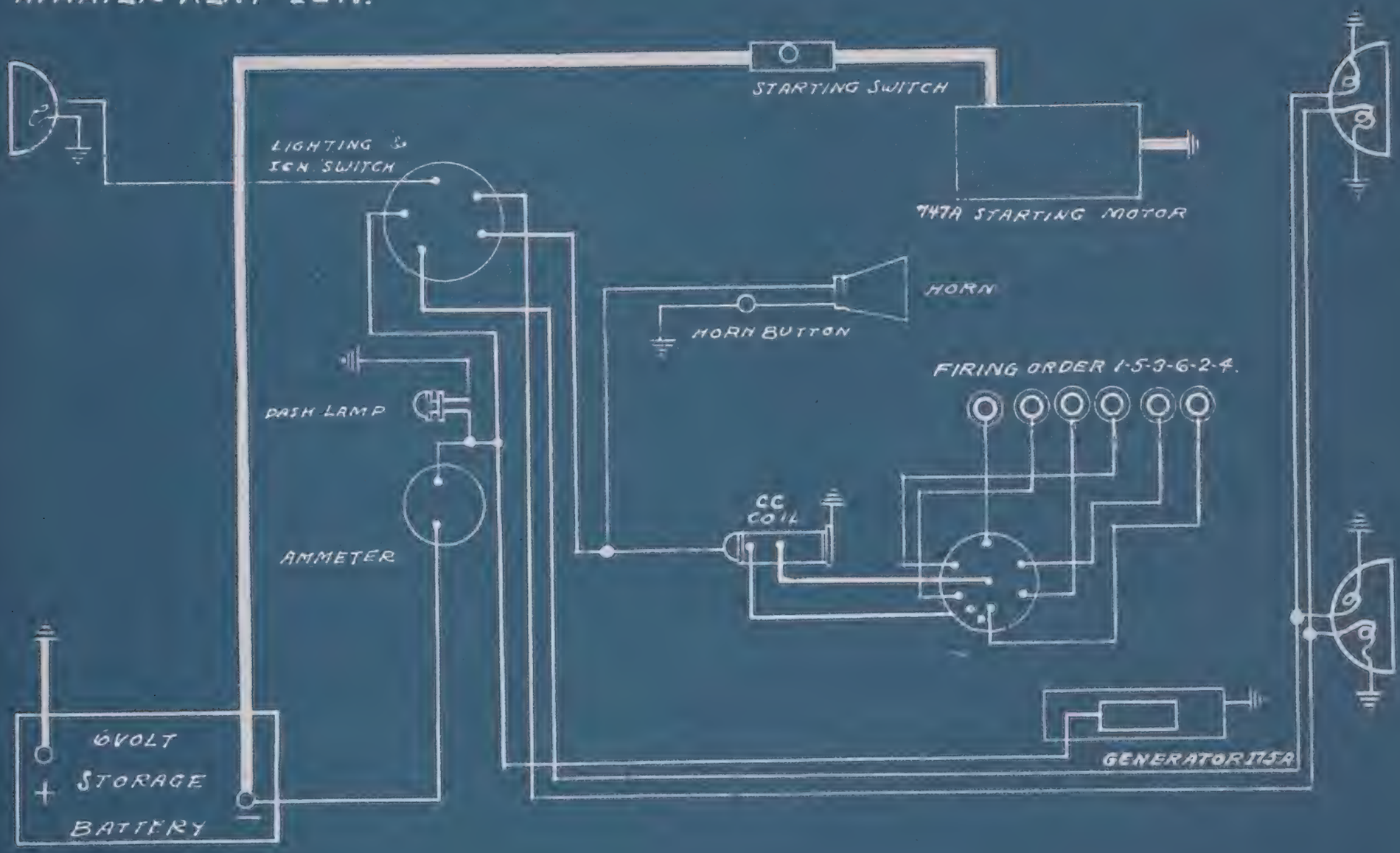
COLE AERO EIGHT "870" 1919-1920-1921-1922

DELCO SYSTEM

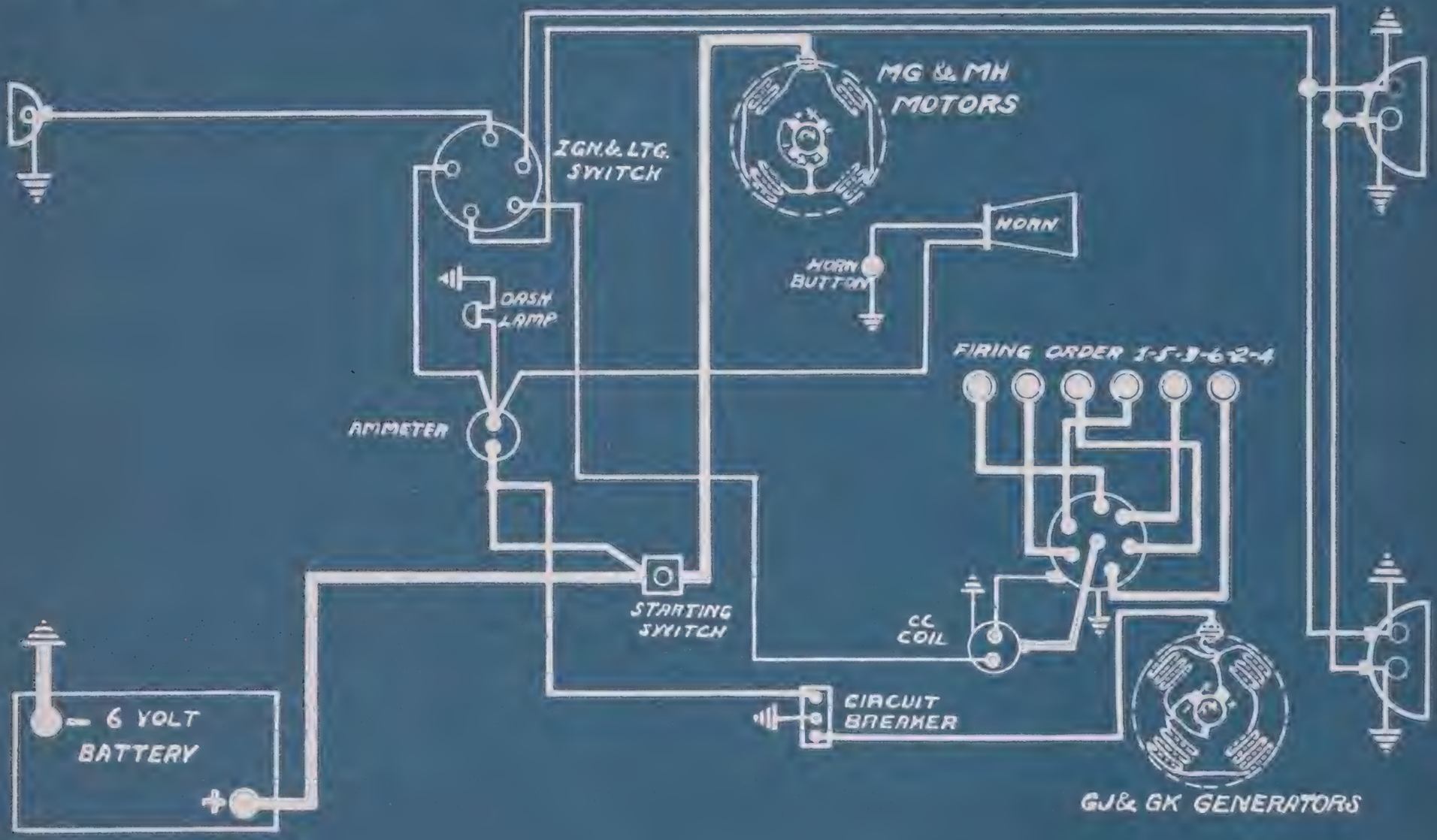


COLUMBIA 1917-1918 ALL MODELS

WARD-LEONARD STARTING & LTG.
ATWATER KENT IGN.



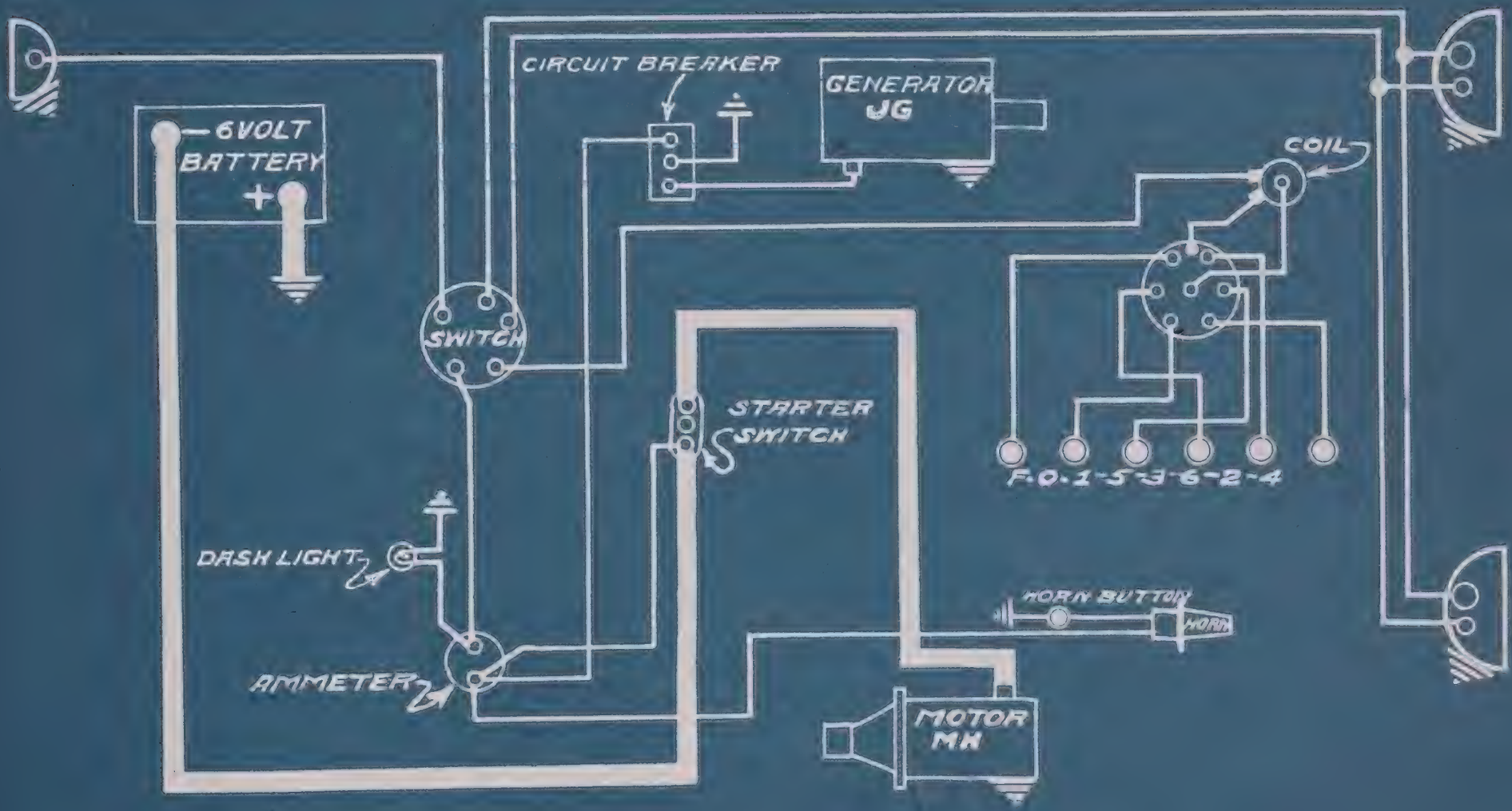
COLUMBIA SERIES 7-W 1919-20-21
AUTO-LITE SYSTEM LIGHT "6" & CHALLENGER 1922
ATWATER-KENT IGN.



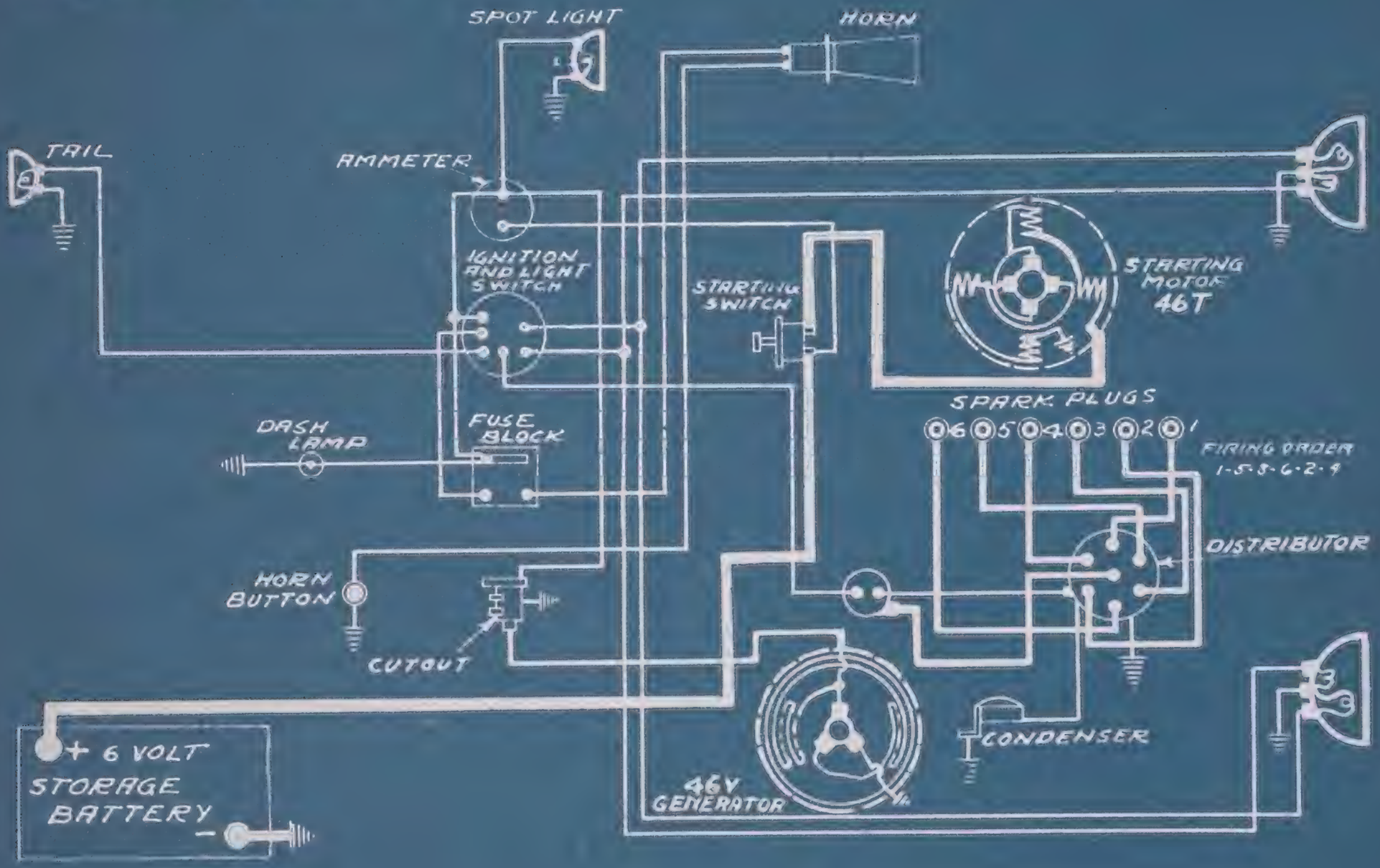
COLUMBIA "DC&CS" 1921-22

AUTO-LITE SYSTEM

ATWATER-KENT IGN.



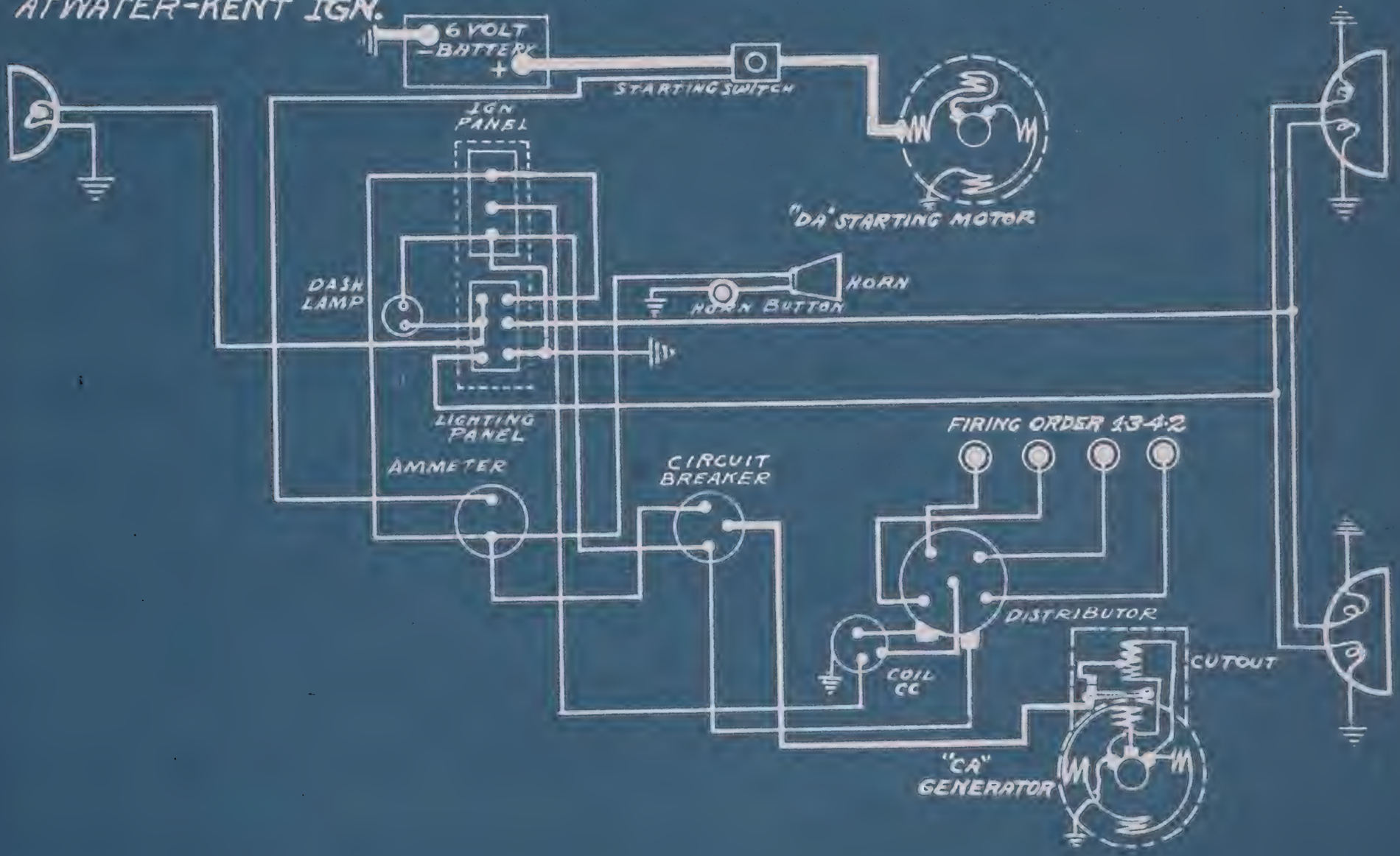
COMET MODEL C-53 1920
WAGNER SYSTEM



COMMONWEALTH MODEL "42" 1920 - "45" 1921

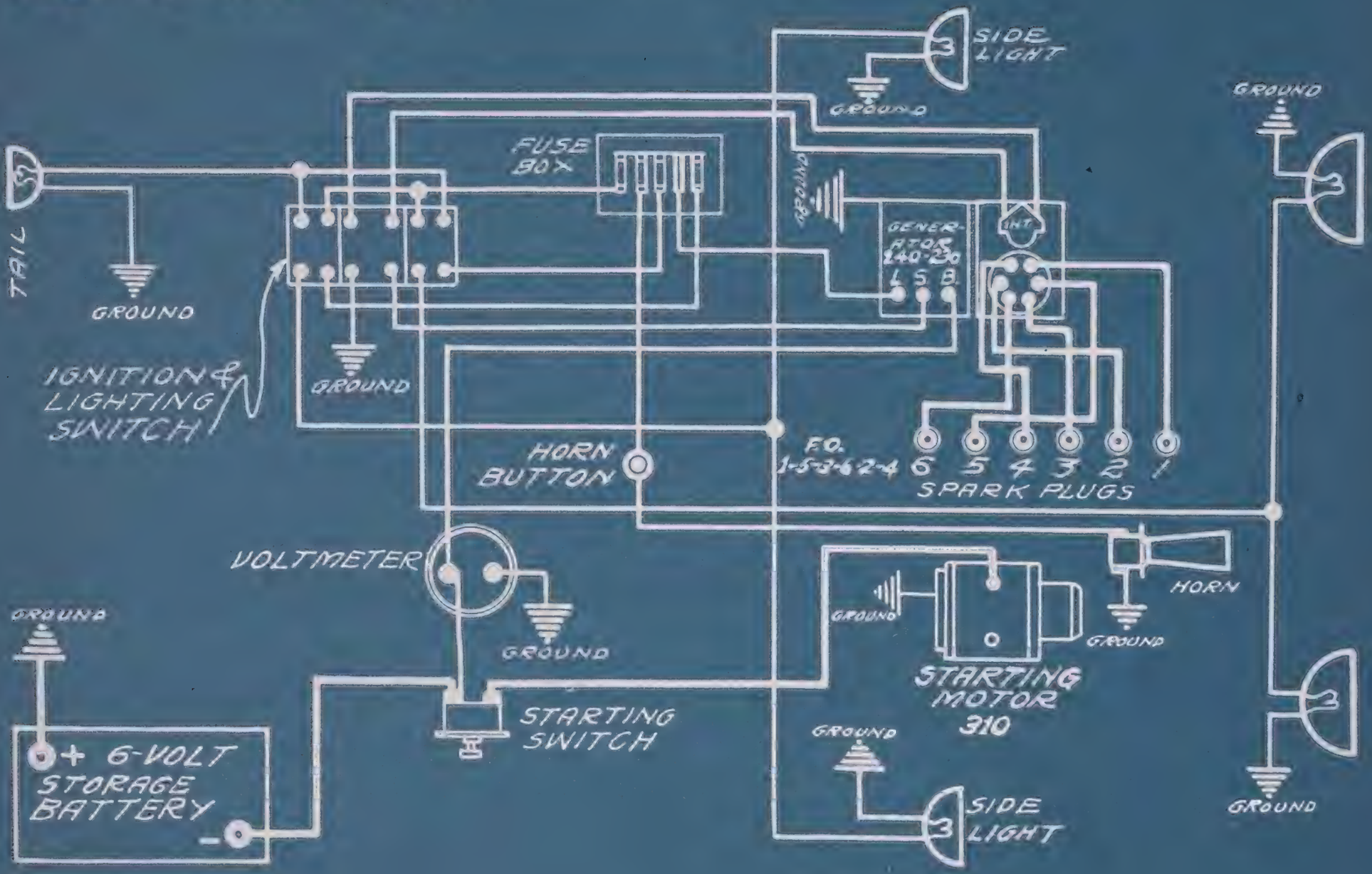
DYNETO STG. & LTG.

ATWATER-KENT IGN.



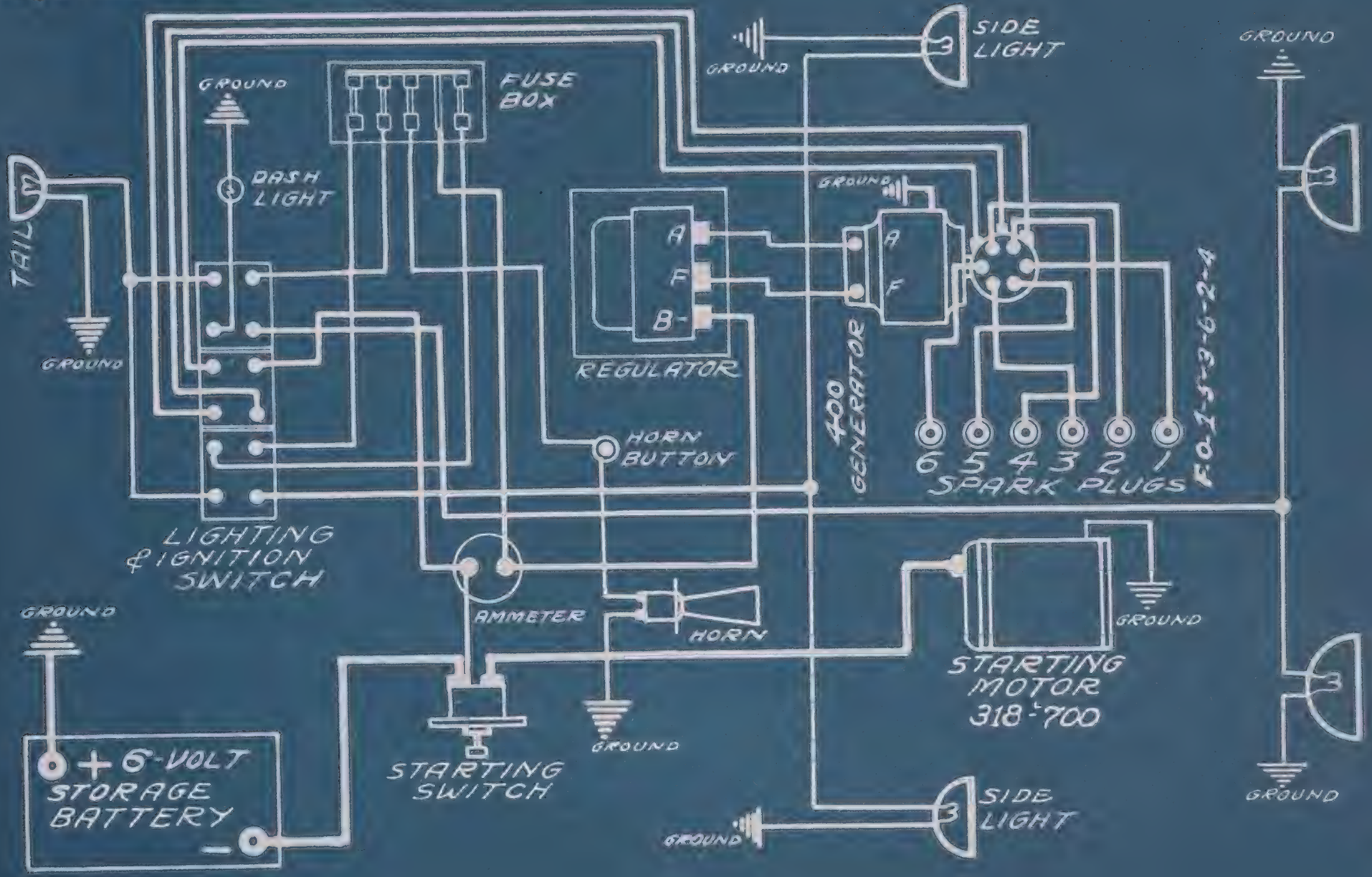
CRAWFORD 1915 "6-35"

WESTINGHOUSE SYSTEM



CRAWFORD 1916-1917-"6-40"

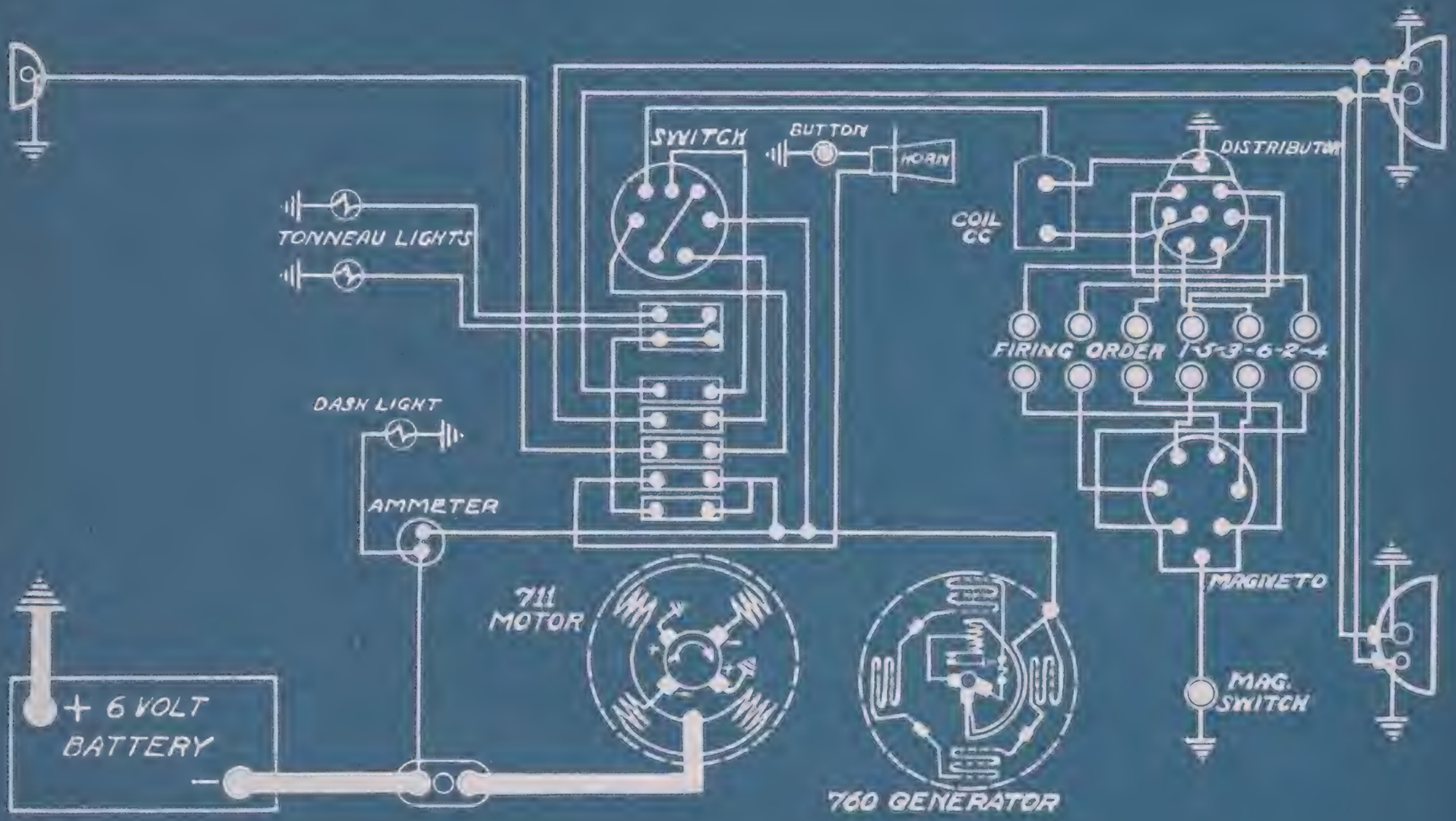
WESTINGHOUSE SYSTEM



CRAWFORD "6-40" 1918-19-20-21-22

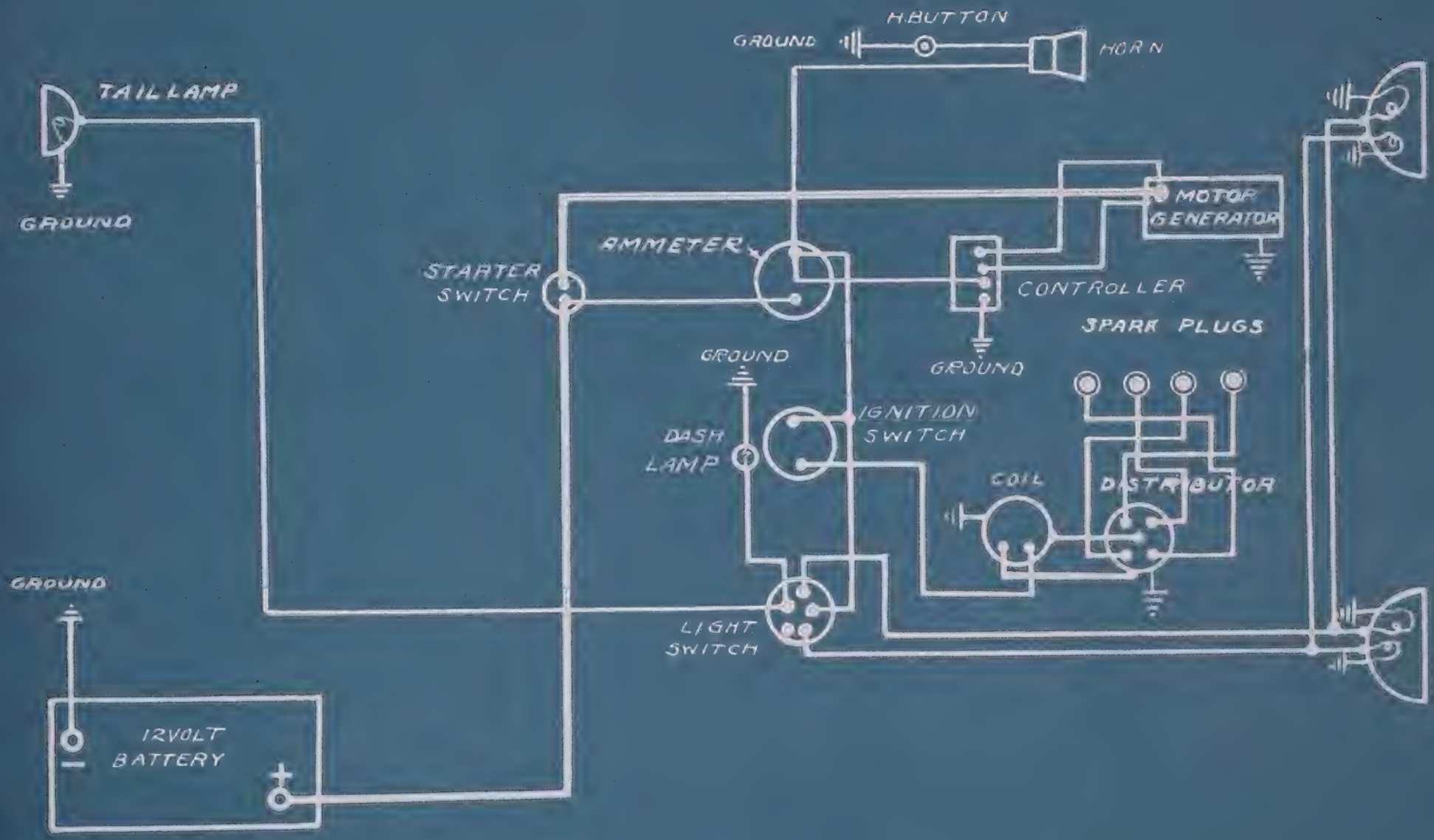
WESTINGHOUSE SYSTEM

ATWATER-KENT & BOSCH IGN.



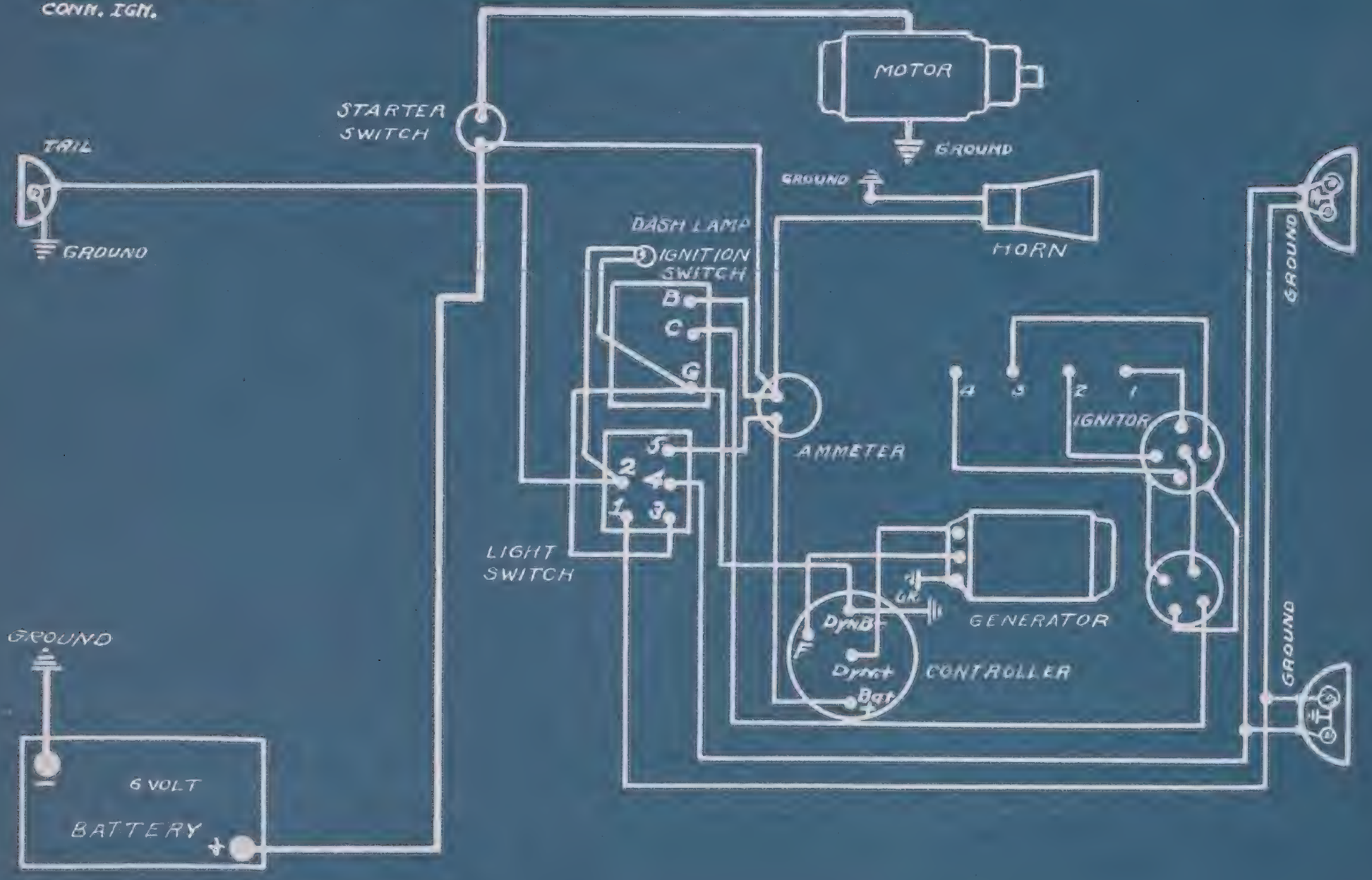
CROW-ELKHART 1916 25-30

DISCO SYSTEM



CROW-ELKHART 1916-7 CE 30 & 33

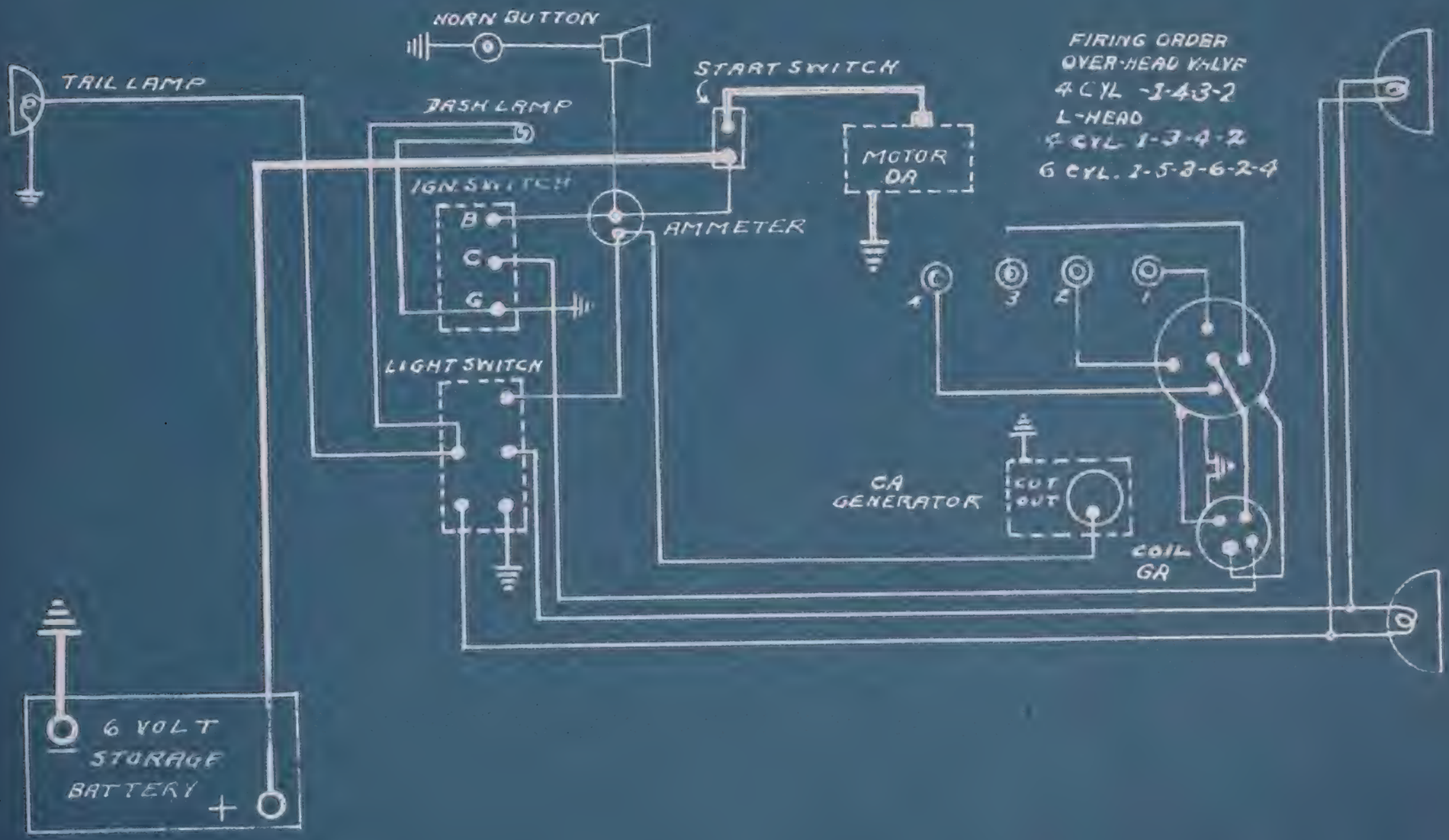
DYNETO SYSTEM
CONN. IGN.



CROW-ELKHART K&H 32, 34, 36, 42, 44, 46, 1917, 1918, 1919, H&L 1920

DYNETO SYSTEM - CONN. IGNITION

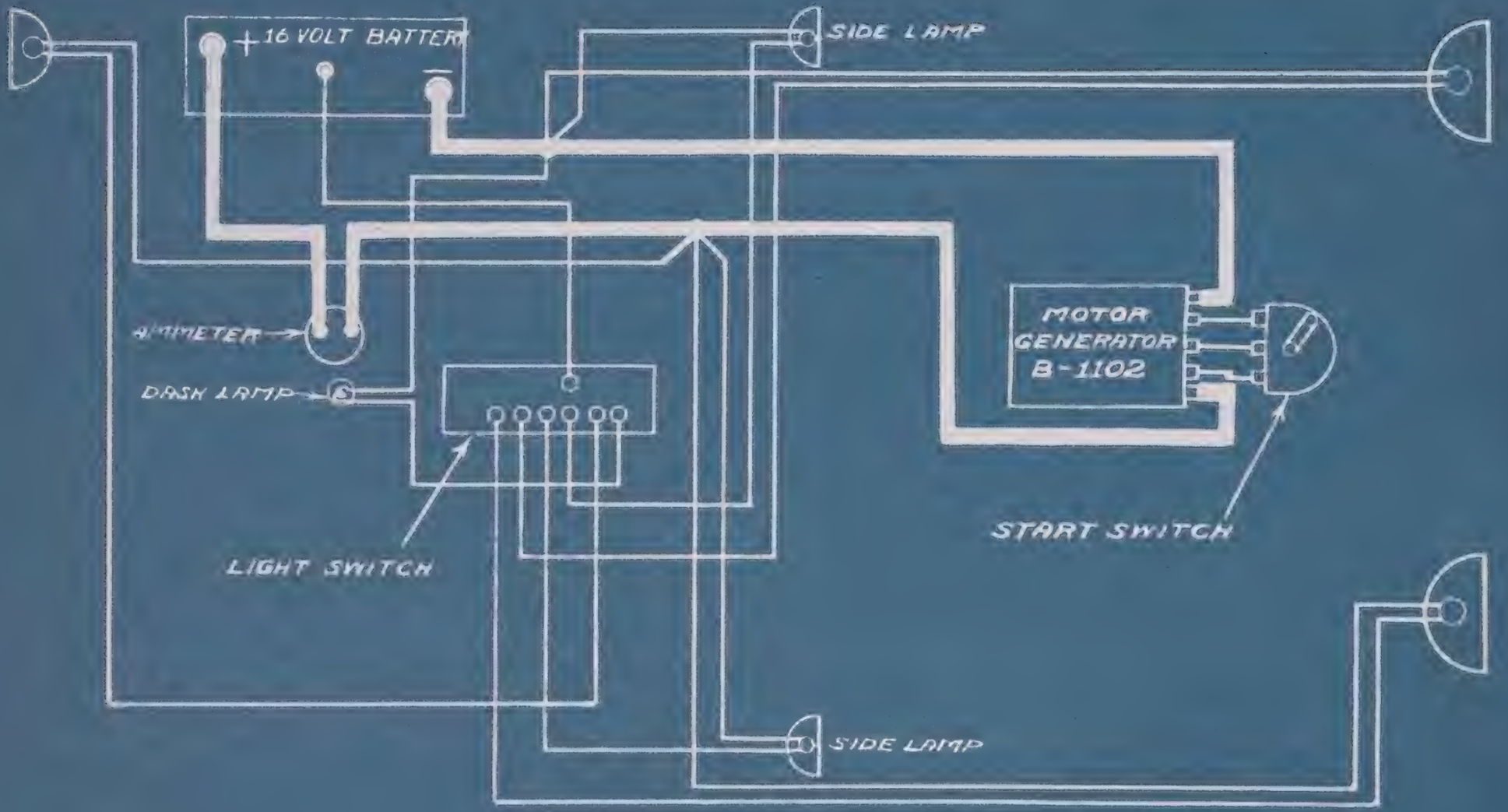
L & S 1922

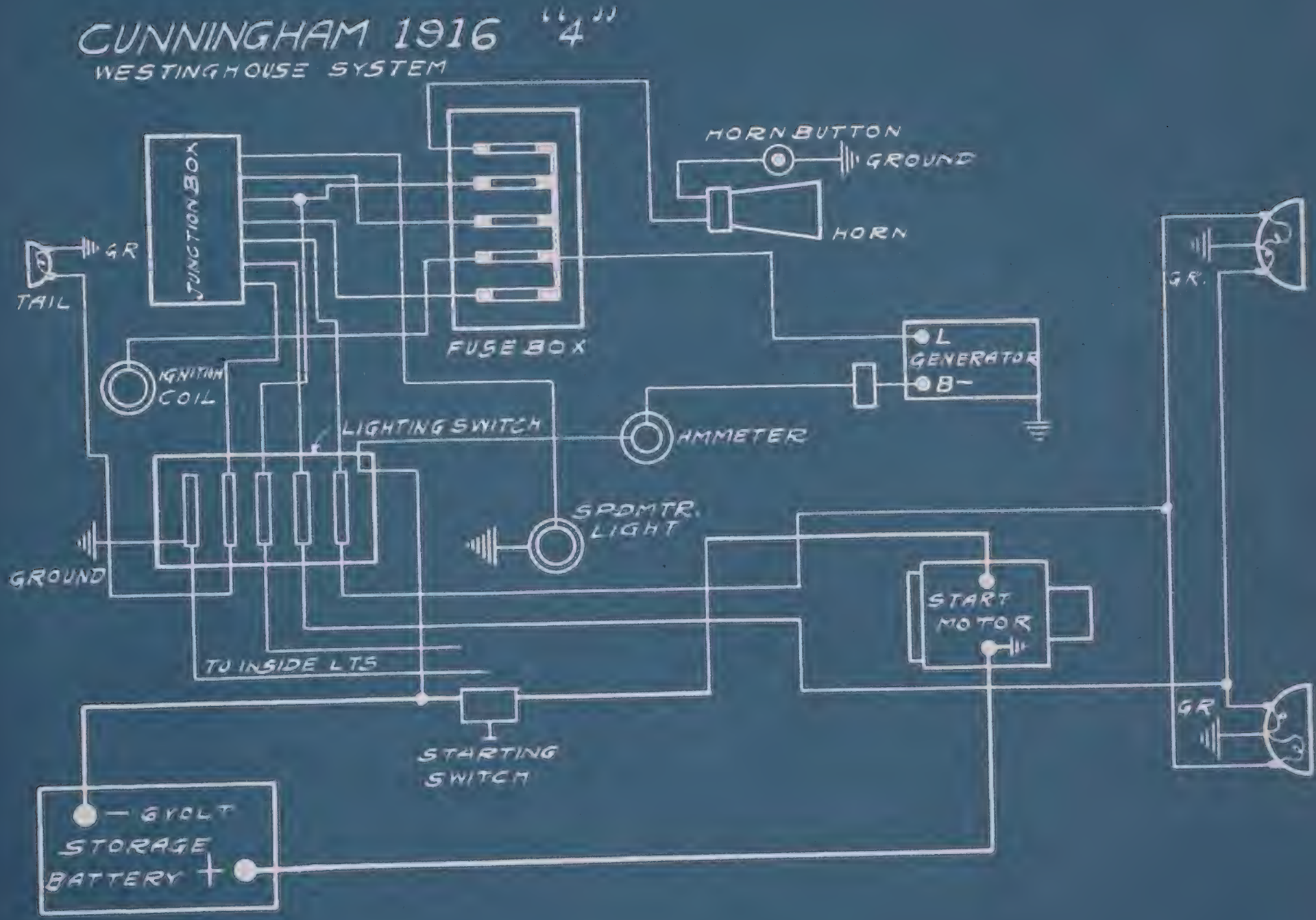


CUNNINGHAM "M" 1913-14

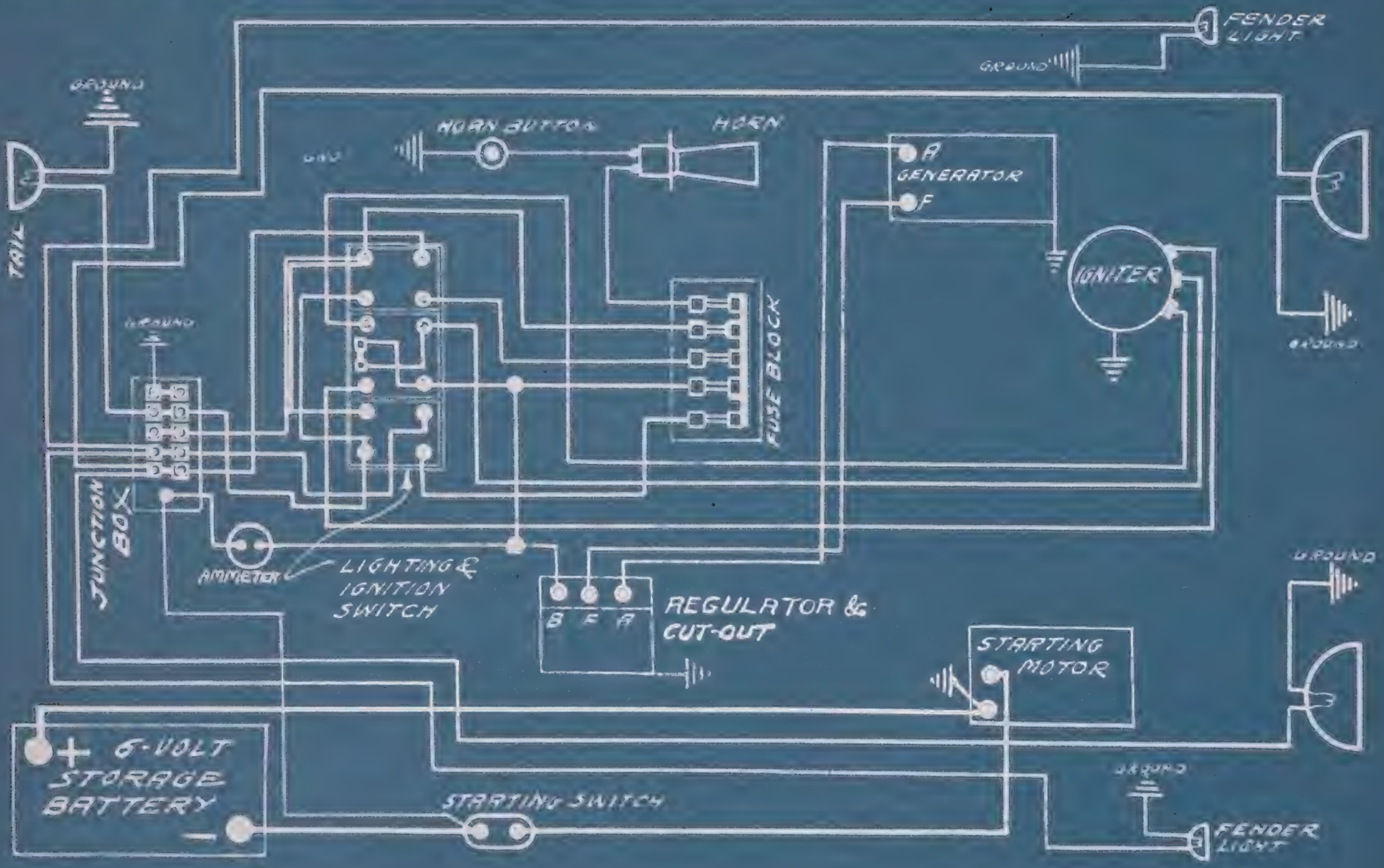
NORTH EAST SYSTEM

BOSCH MAG. IGN.




CUNNINGHAM 1916 "4"
WESTINGHOUSE SYSTEM
JUNCTION BOX
HORN BUTTON
GROUND
HORN
GR
TAIL
FUSE BOX
L
GENERATOR
B-
IGNITION COIL
LIGHTING SWITCH
AMMETER
GR.
SPDMTR. LIGHT
GROUND
START MOTOR
TO INSIDE LTS
GR
STARTING SWITCH
— 6VOLT
STORAGE BATTERY +

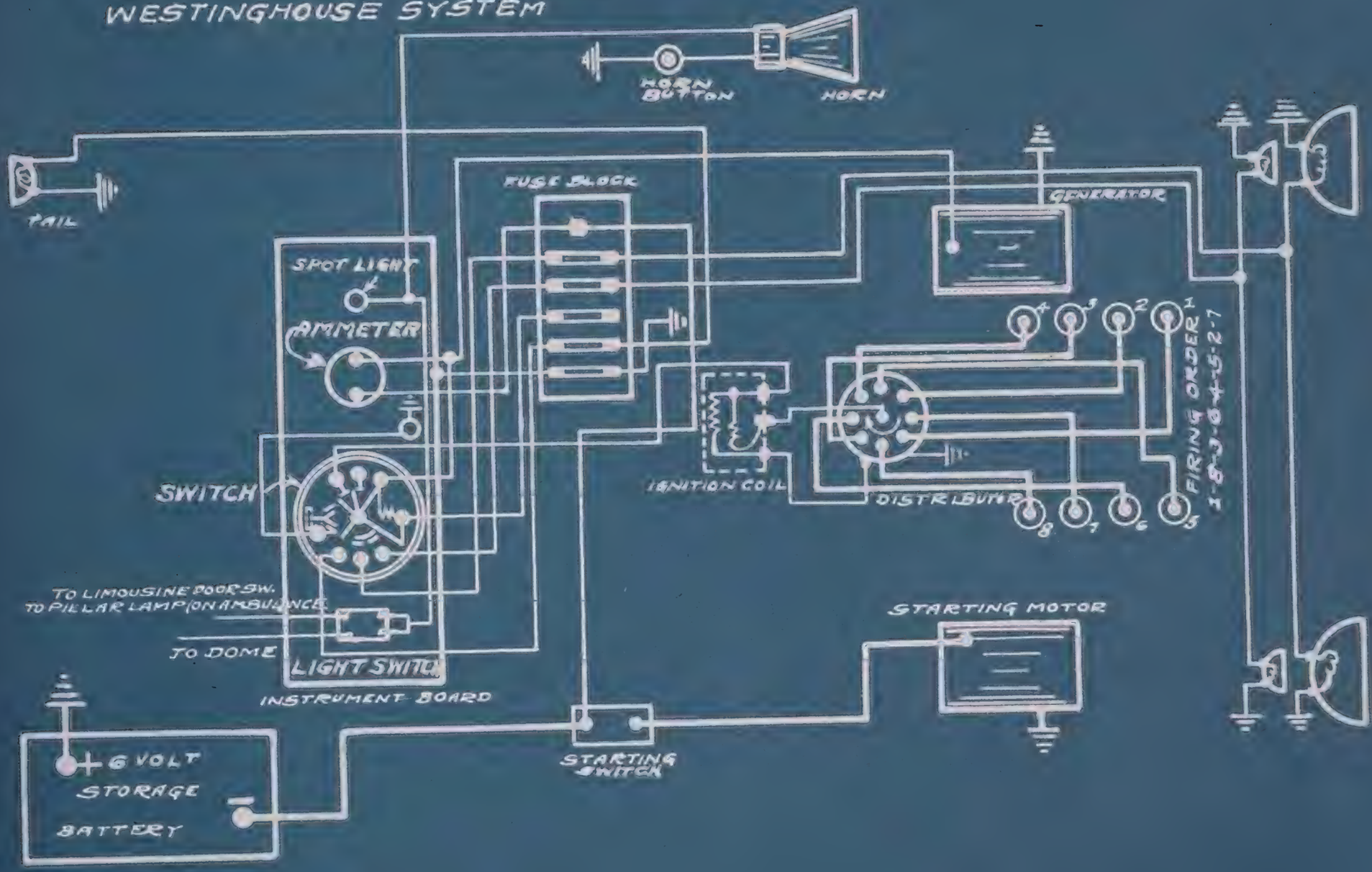
CUNNINGHAM 1916-1917 "V"
WESTINGHOUSE SYSTEM



CUNNINGHAM 1918-1919 "V-3"

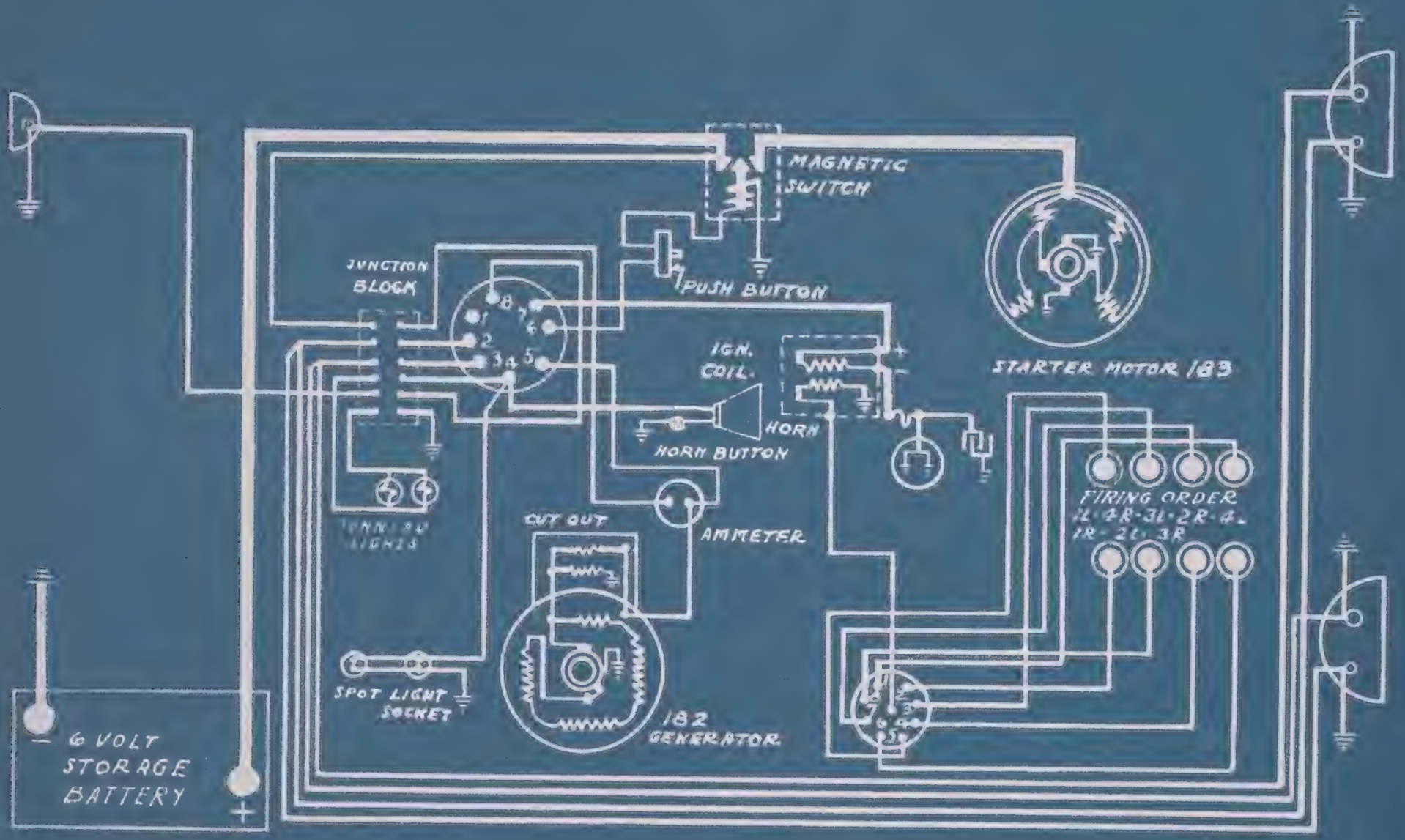
DELCO SYSTEM (IGNITION)

WESTINGHOUSE SYSTEM



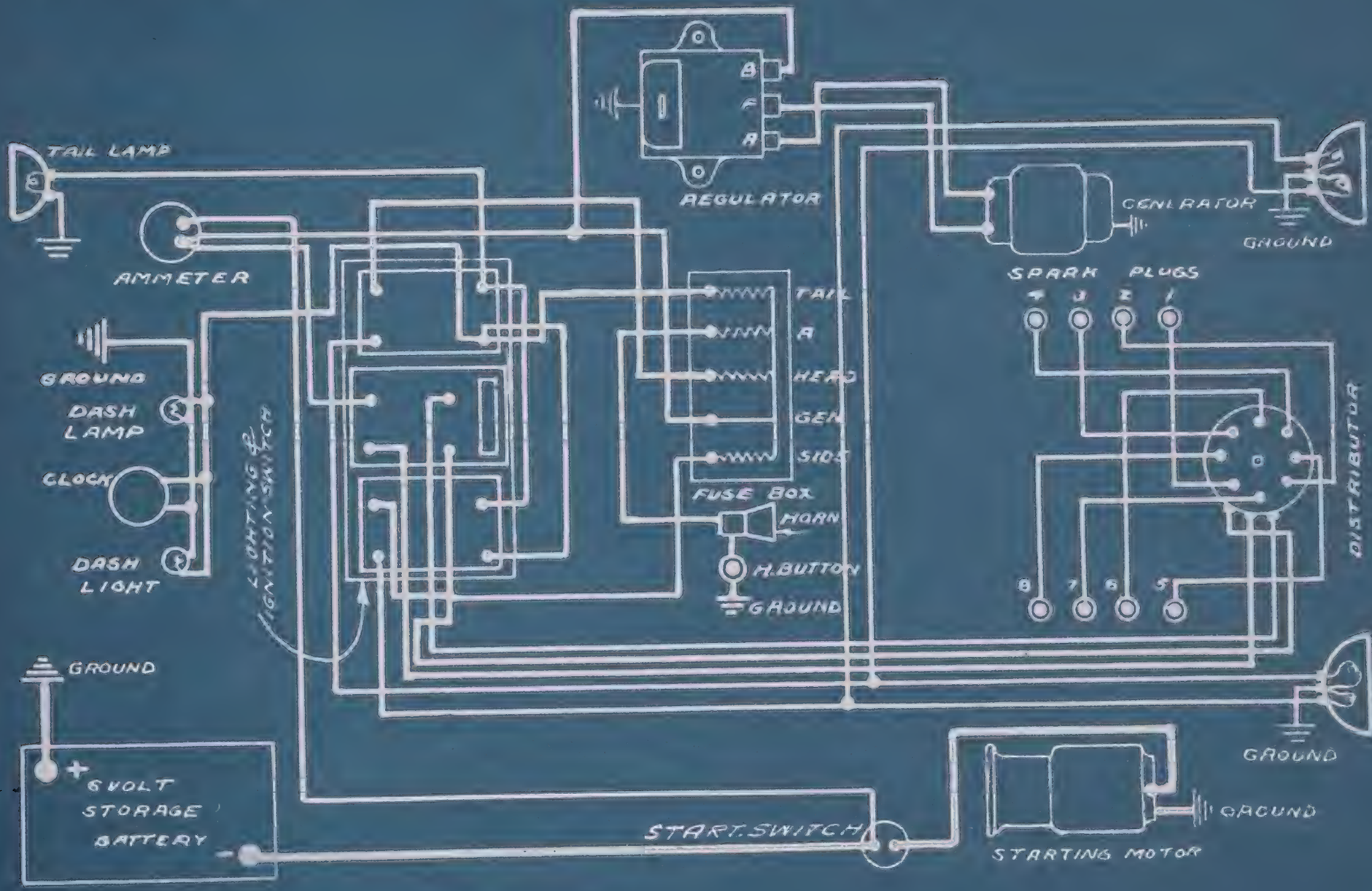
CUNNINGHAM "V4" 1920-21 V-42-1922

DELCO SYSTEM



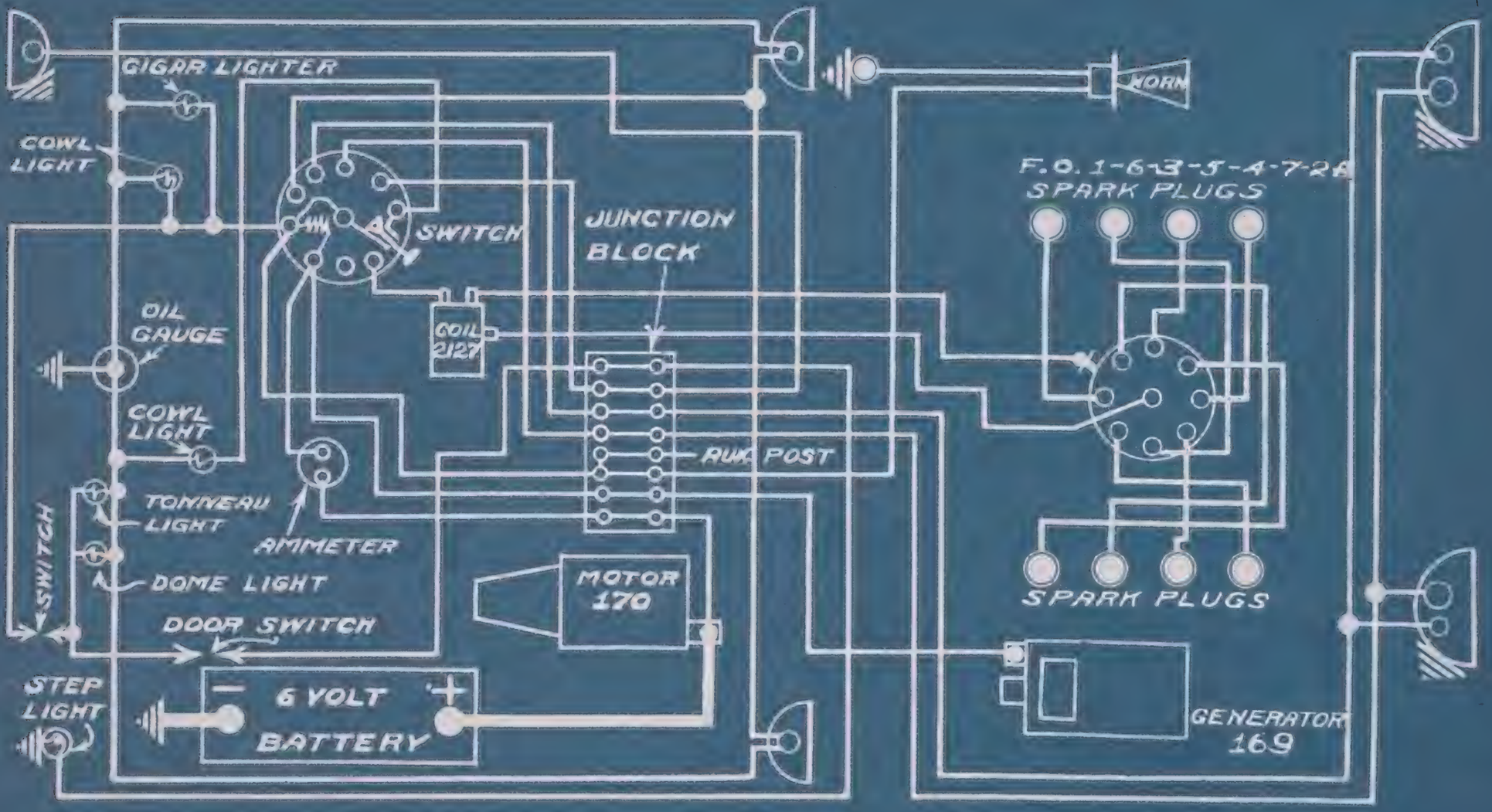
DANIELS 1916-1917-1918 "A 8" 1919

WESTINGHOUSE SYSTEM



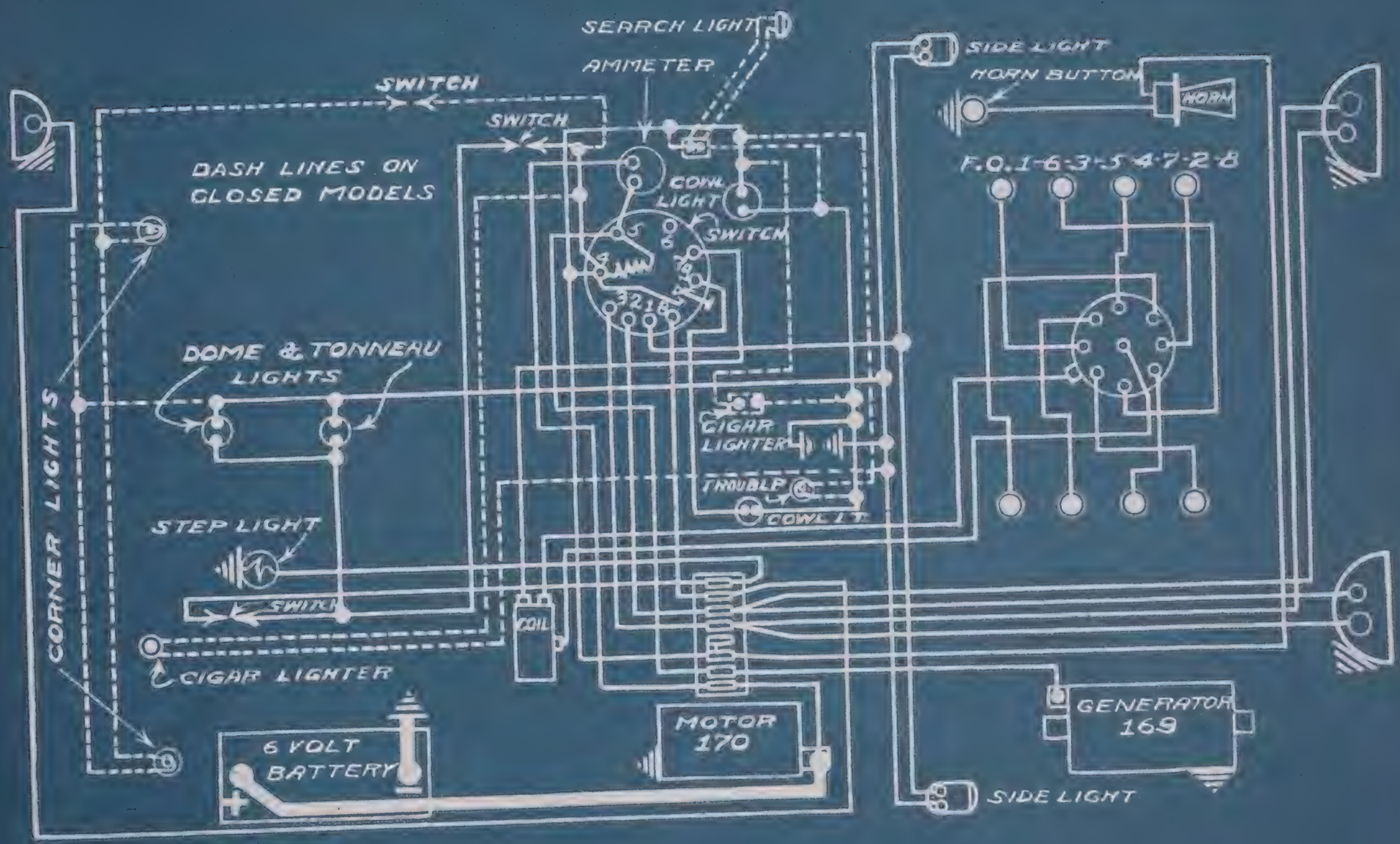
DANIELS "D" 1920-21-22

DELCO SYSTEM

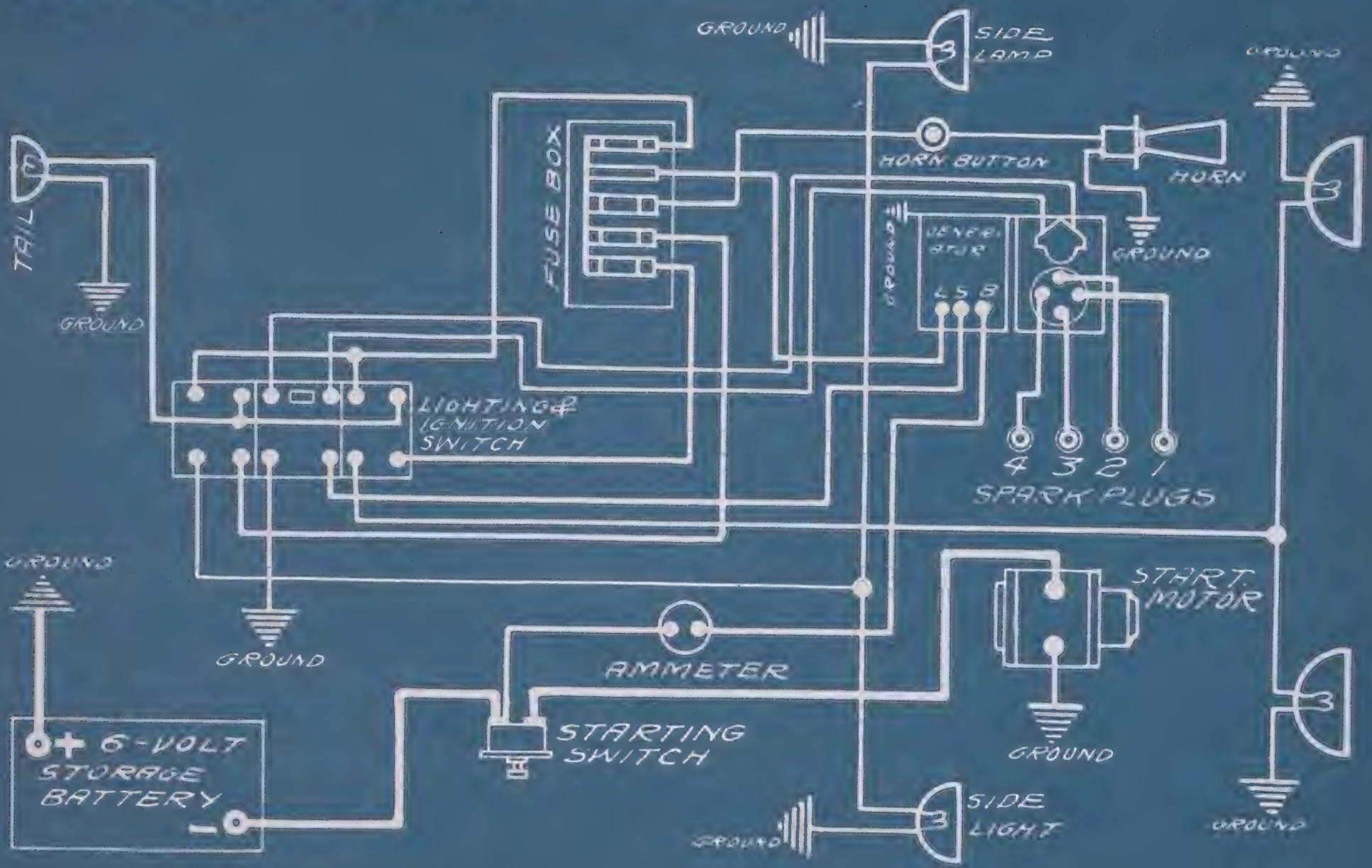


DANIELS "D19" 1922

DELCO SYSTEM

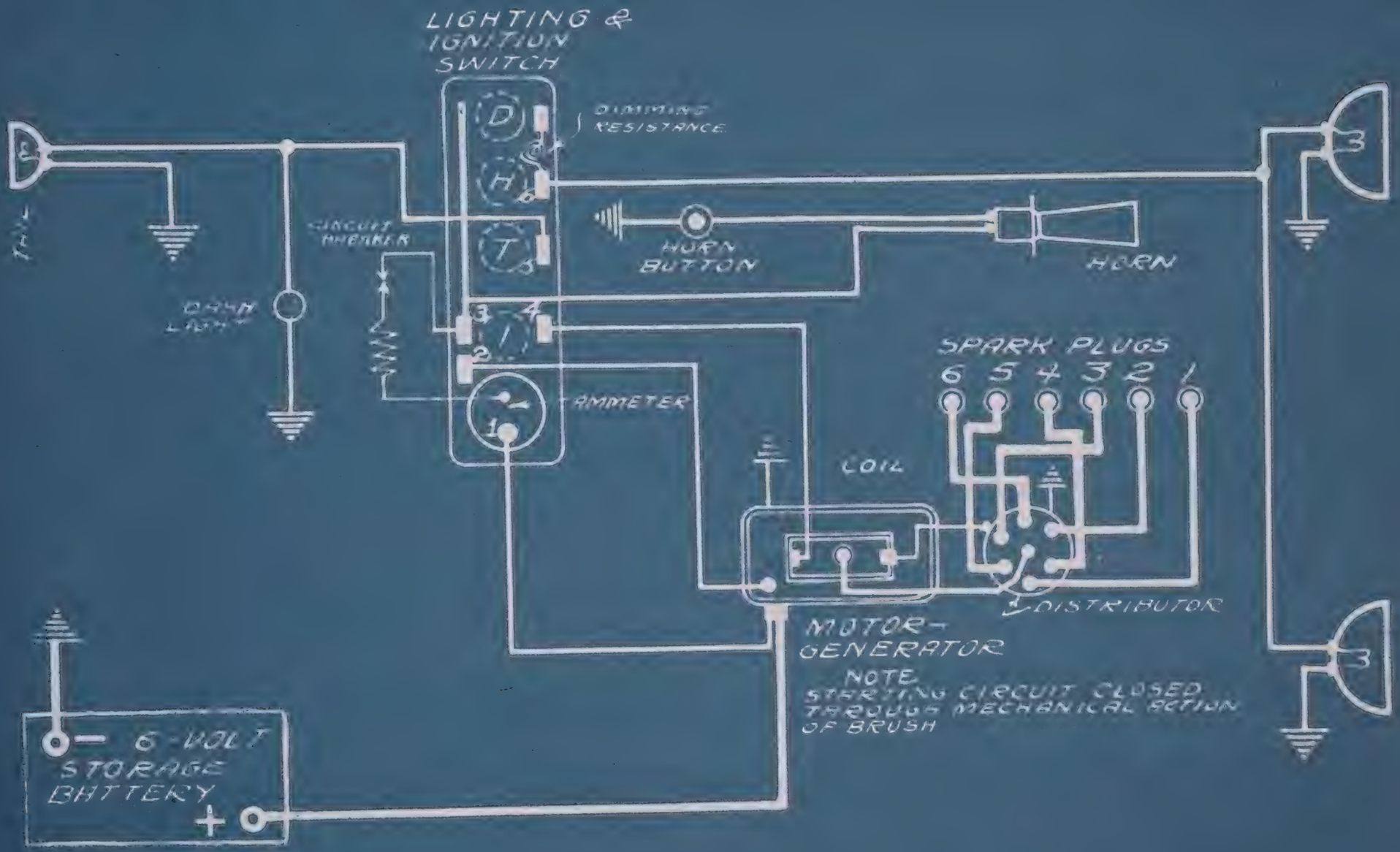


DAVIS 1915 38-A-B-C
WESTINGHOUSE SYSTEM

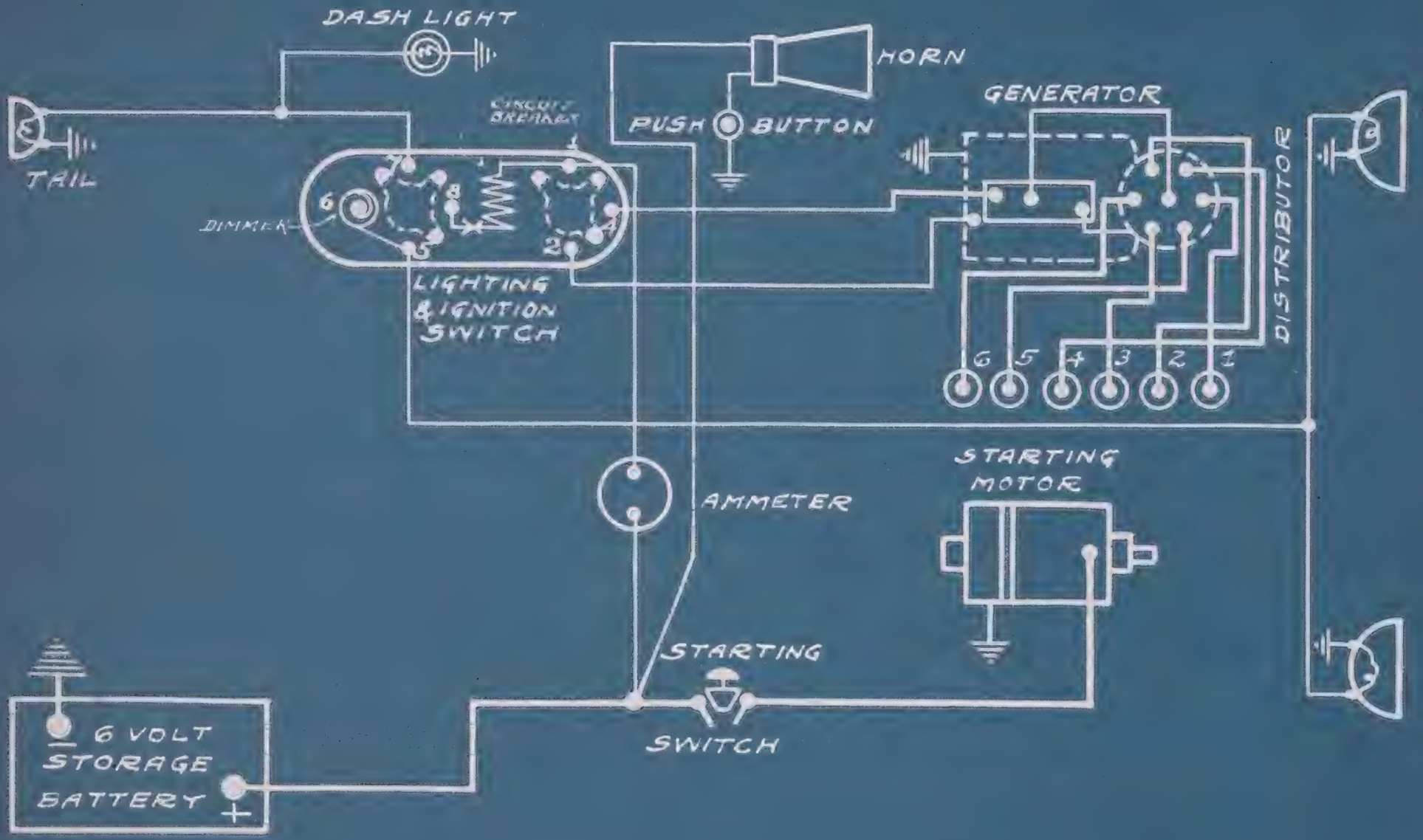


DAVIS 1916 C-38 6-E 6-G

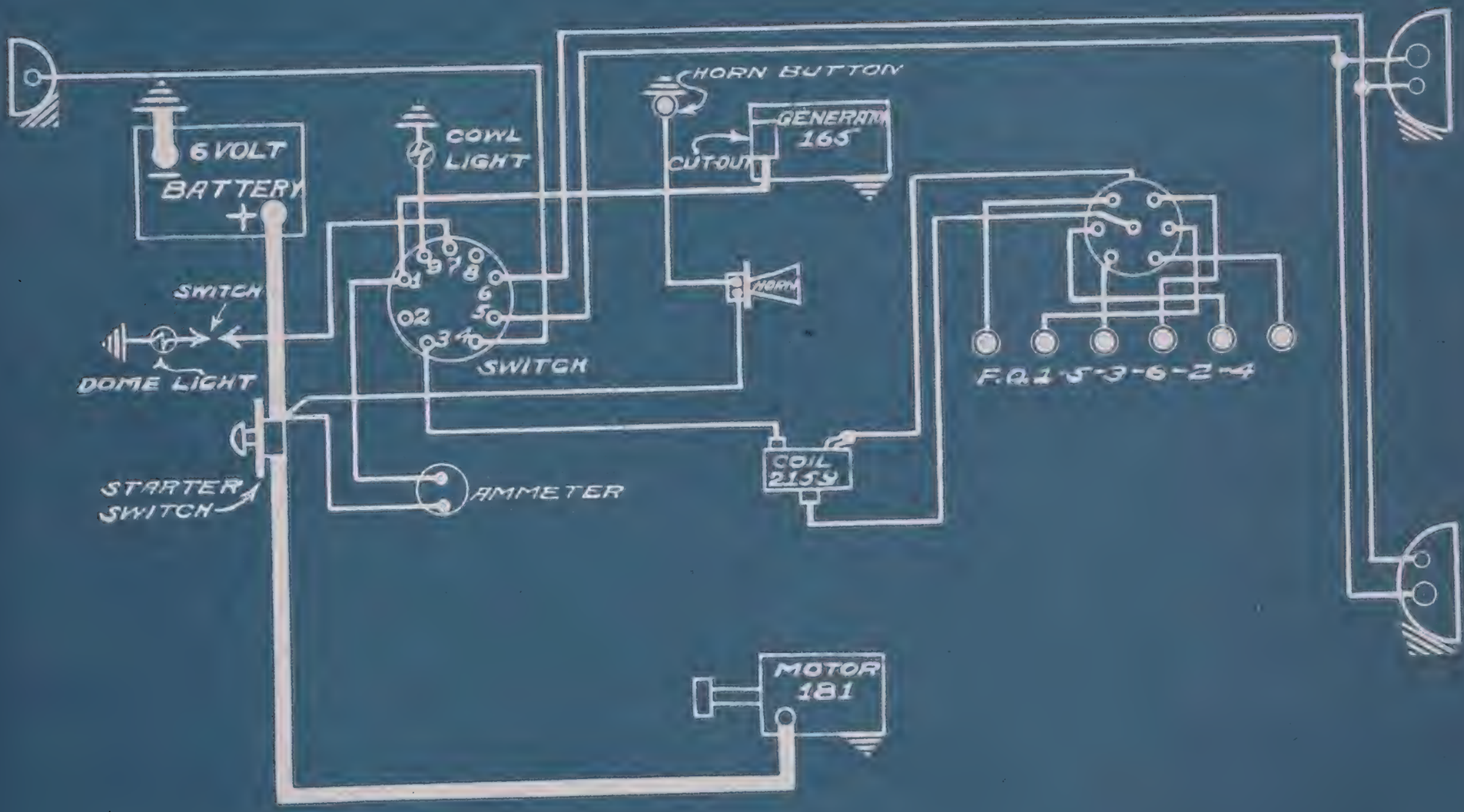
DELCO SYSTEM



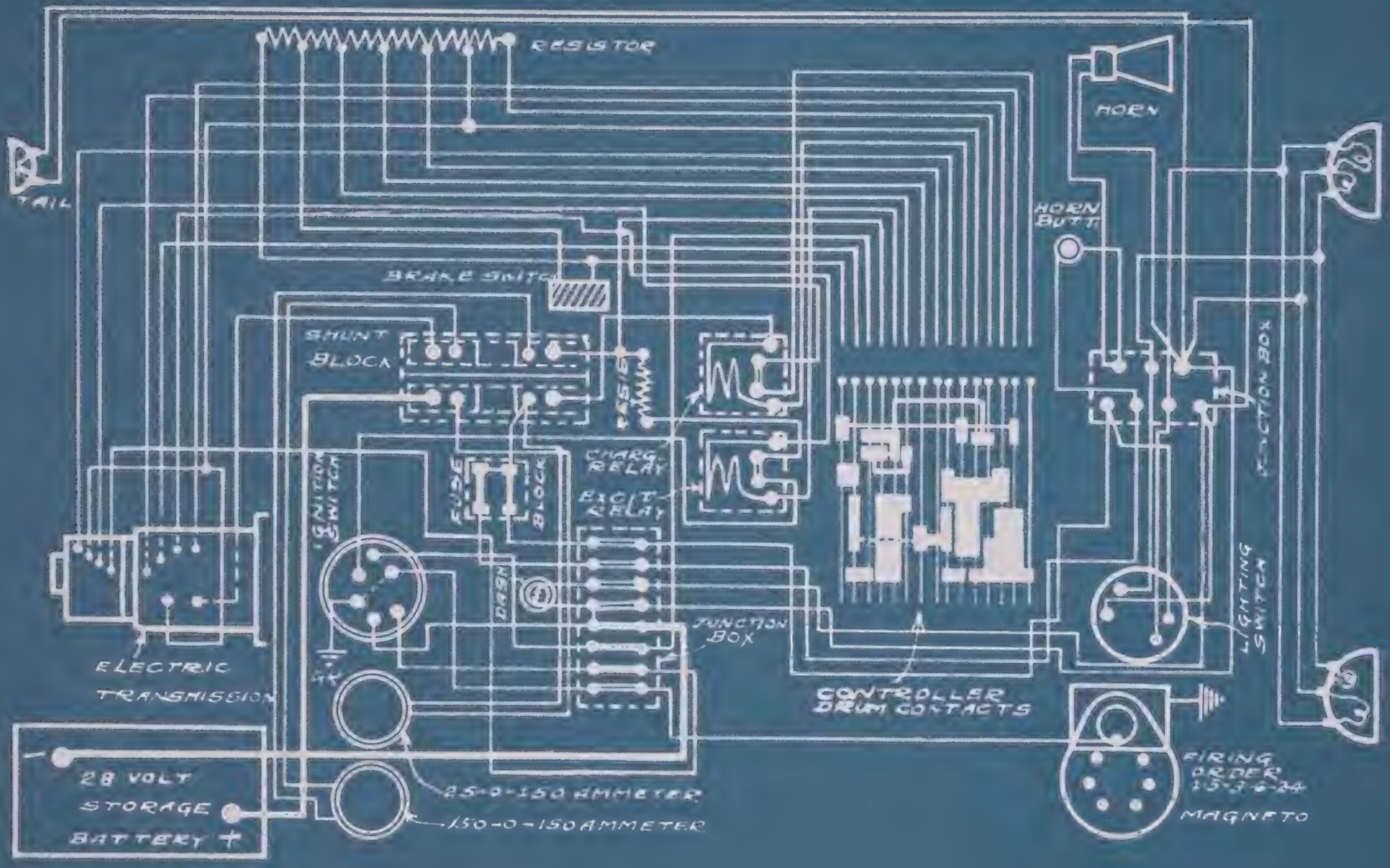
DAVIS 1917-18-19-20 6-H, I & K.
DELCO SYSTEM



DAVIS 1921-22
DELCO SYSTEM

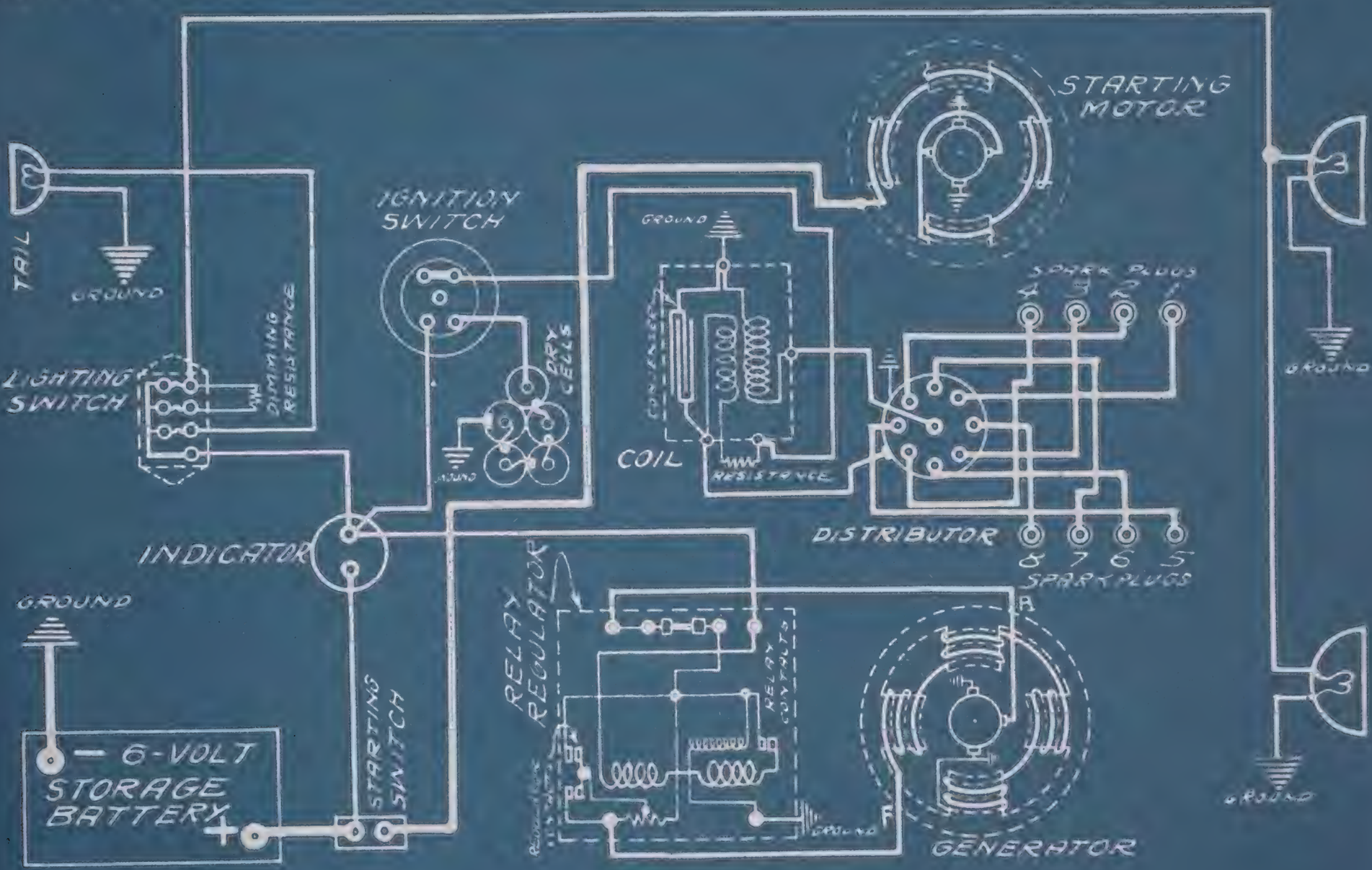


DEERING MAGNETIC 1918
OWEN SYSTEM



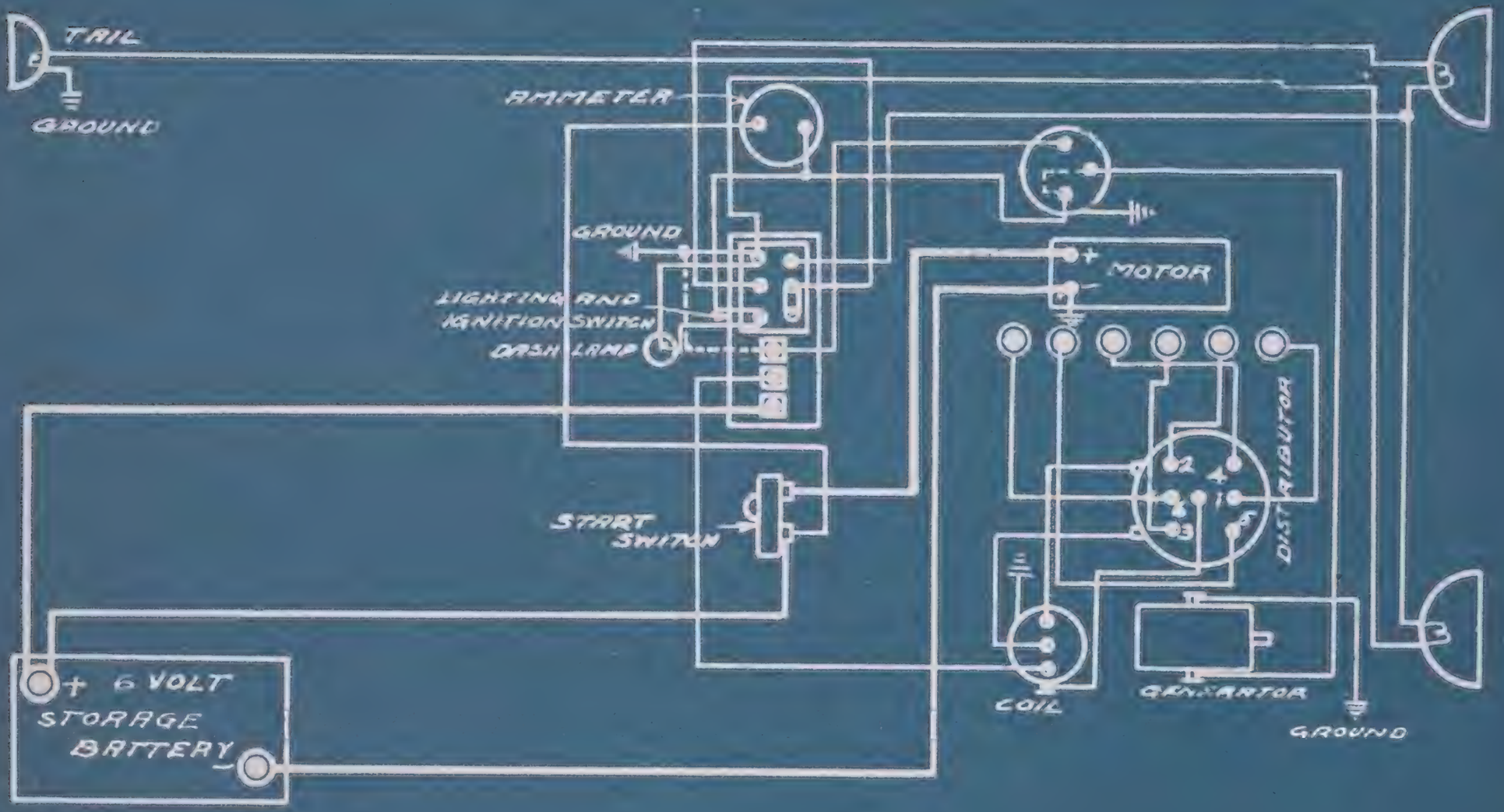
DETROITER 1915 "D"

REMY SYSTEM



DETROITER 1916 "6-45"

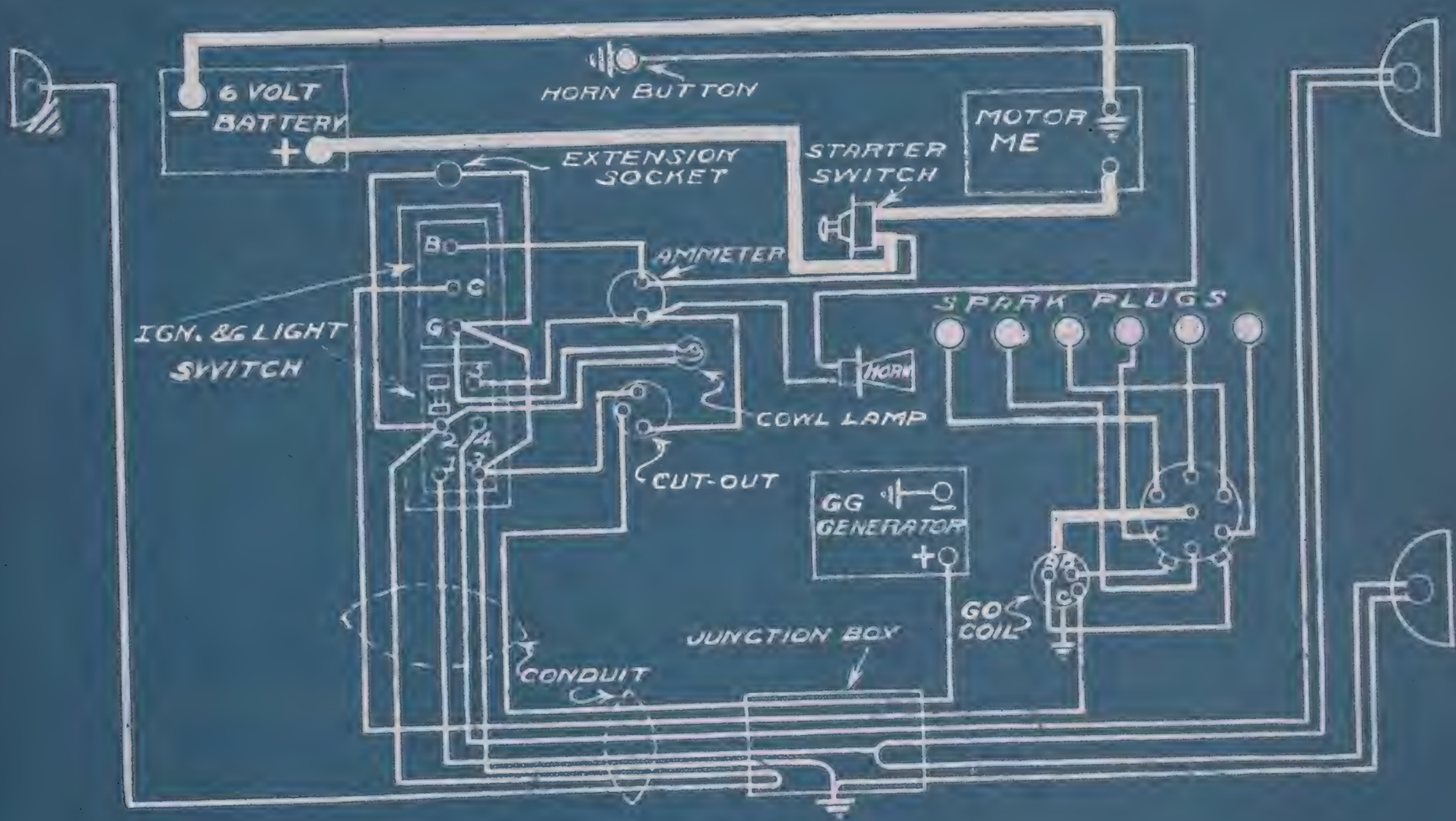
AUTOLITE SYSTEM



DETROITER "6-45" 1917

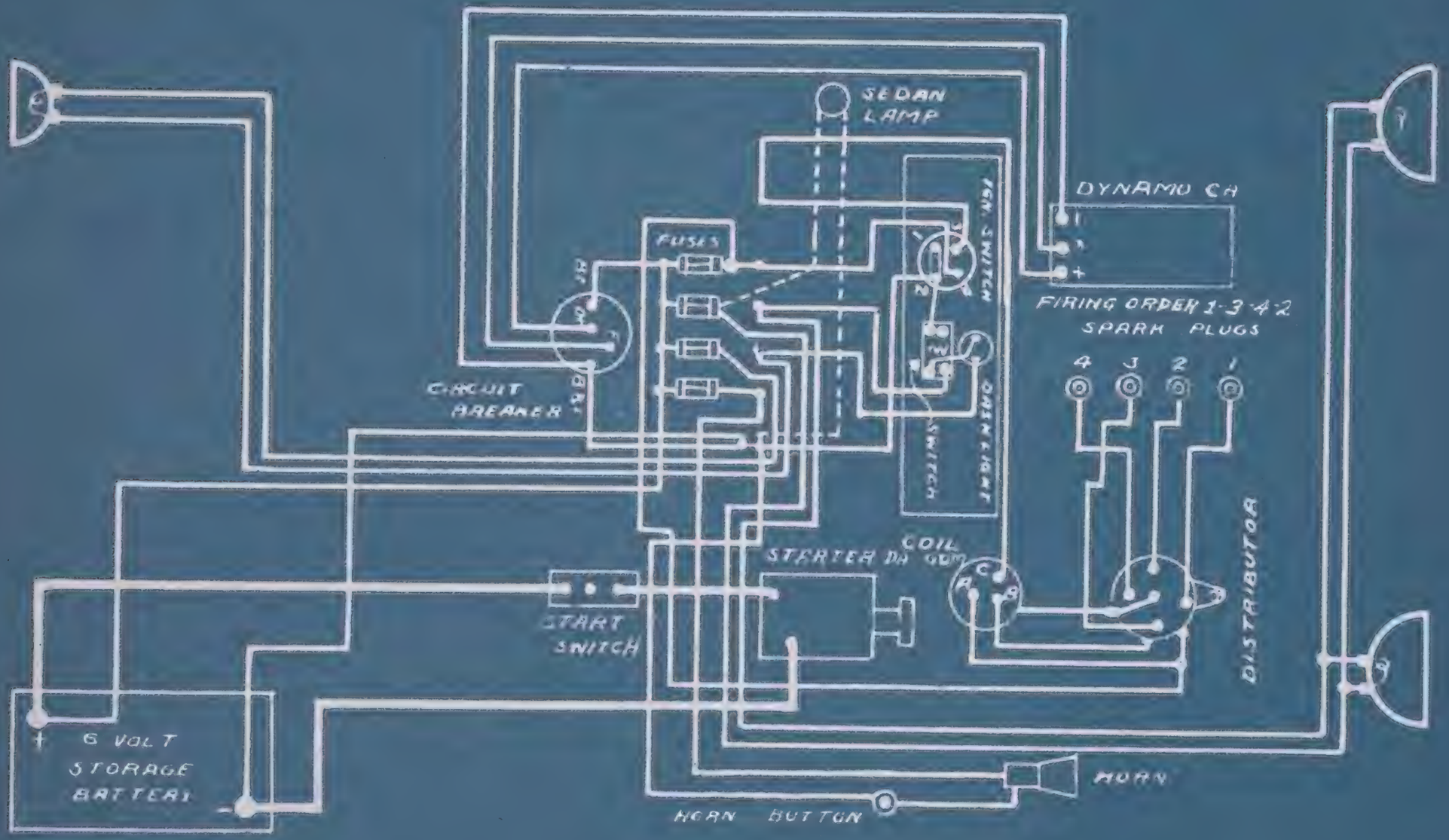
AUTO-LITE SYSTEM

CONNECTICUT IGN.



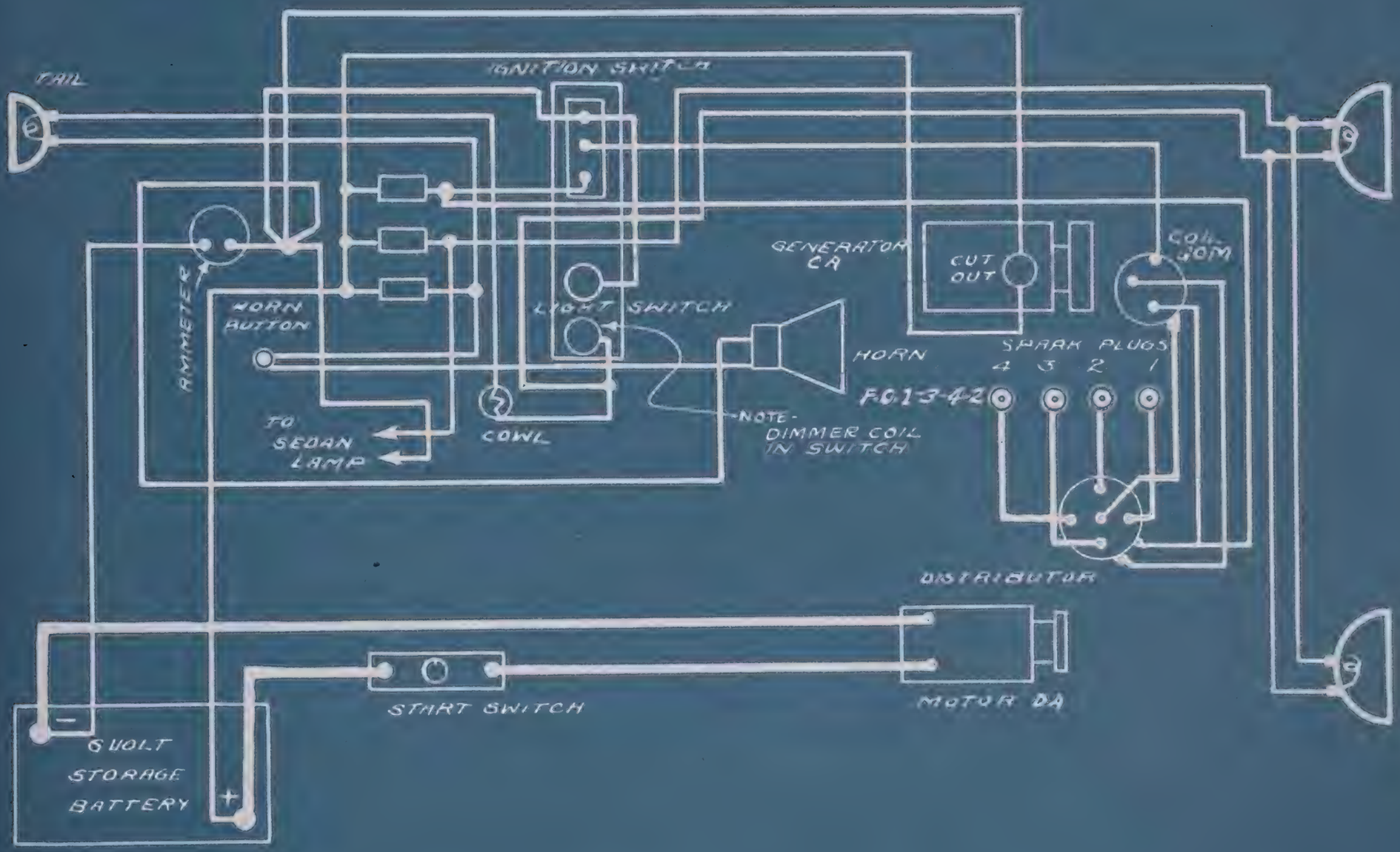
DIXIE FLYER MODEL L-3 1916-1917

DYNETO SYSTEM
CONN. IGN.



DIXIE FLYER 1918-1919

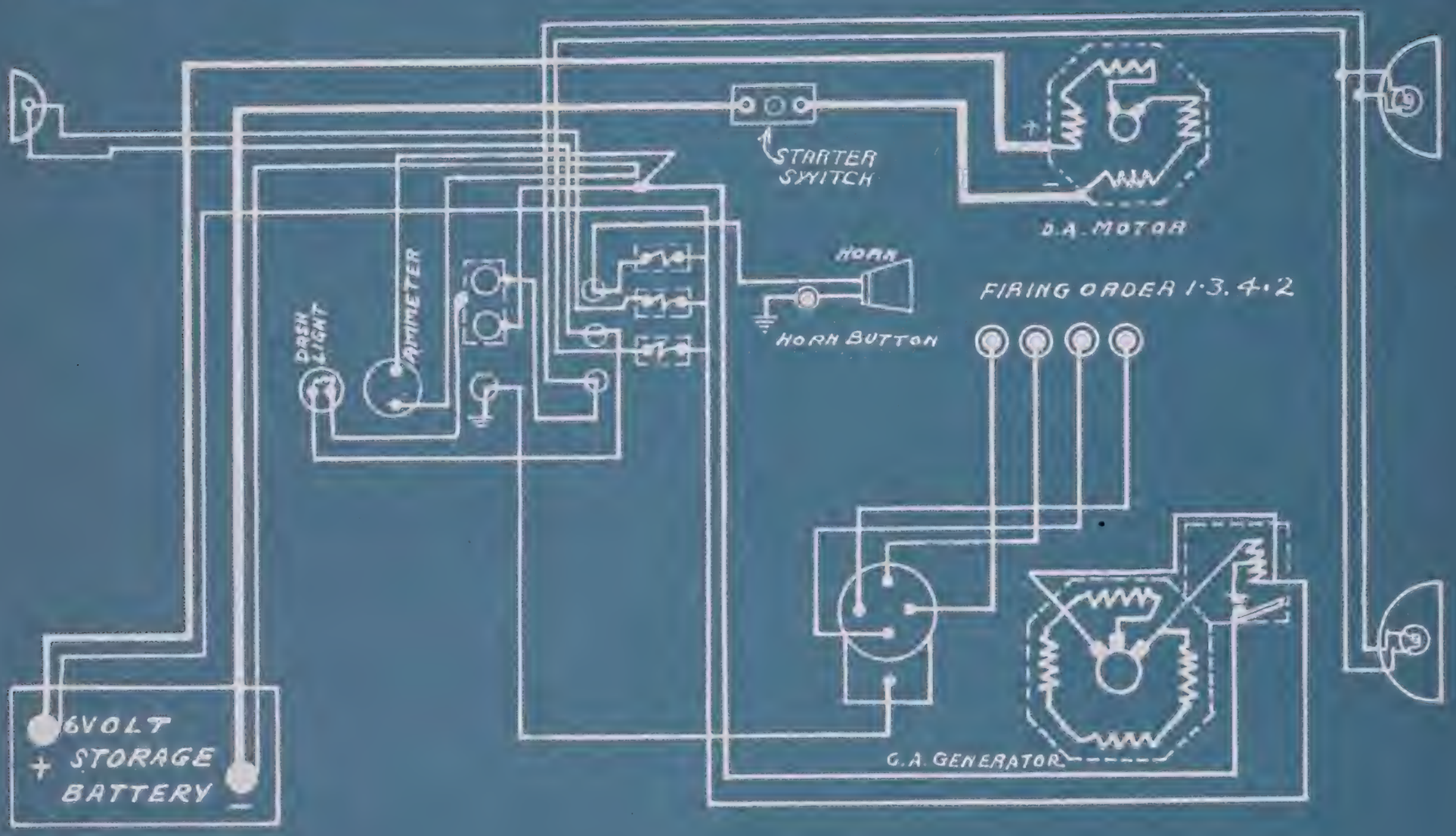
DYNETO SYSTEM
COMM IGNITION



DIXIE FLYER "H" 1920-1921-1922

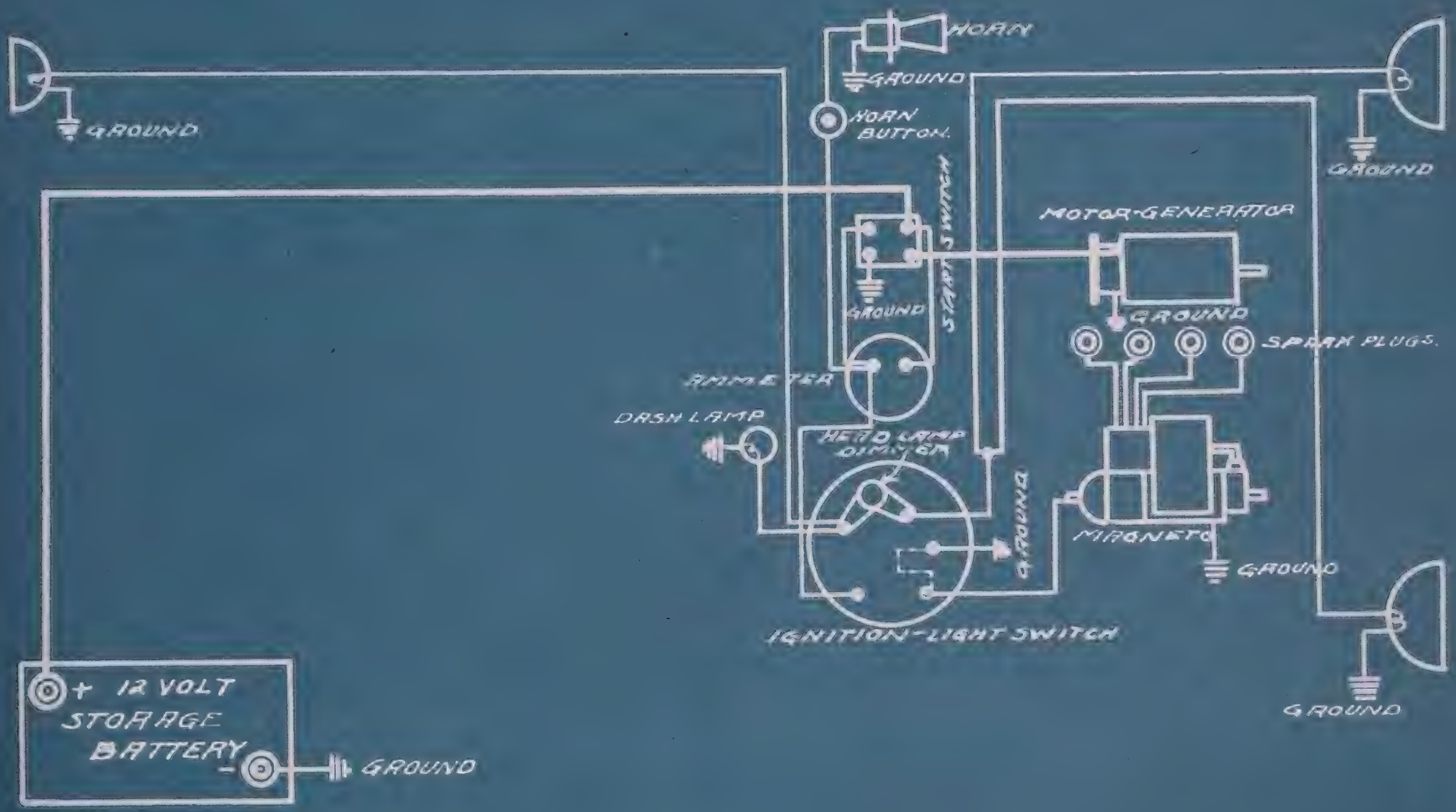
DYNETO SYSTEM

EISEMANN MAG. IGN.



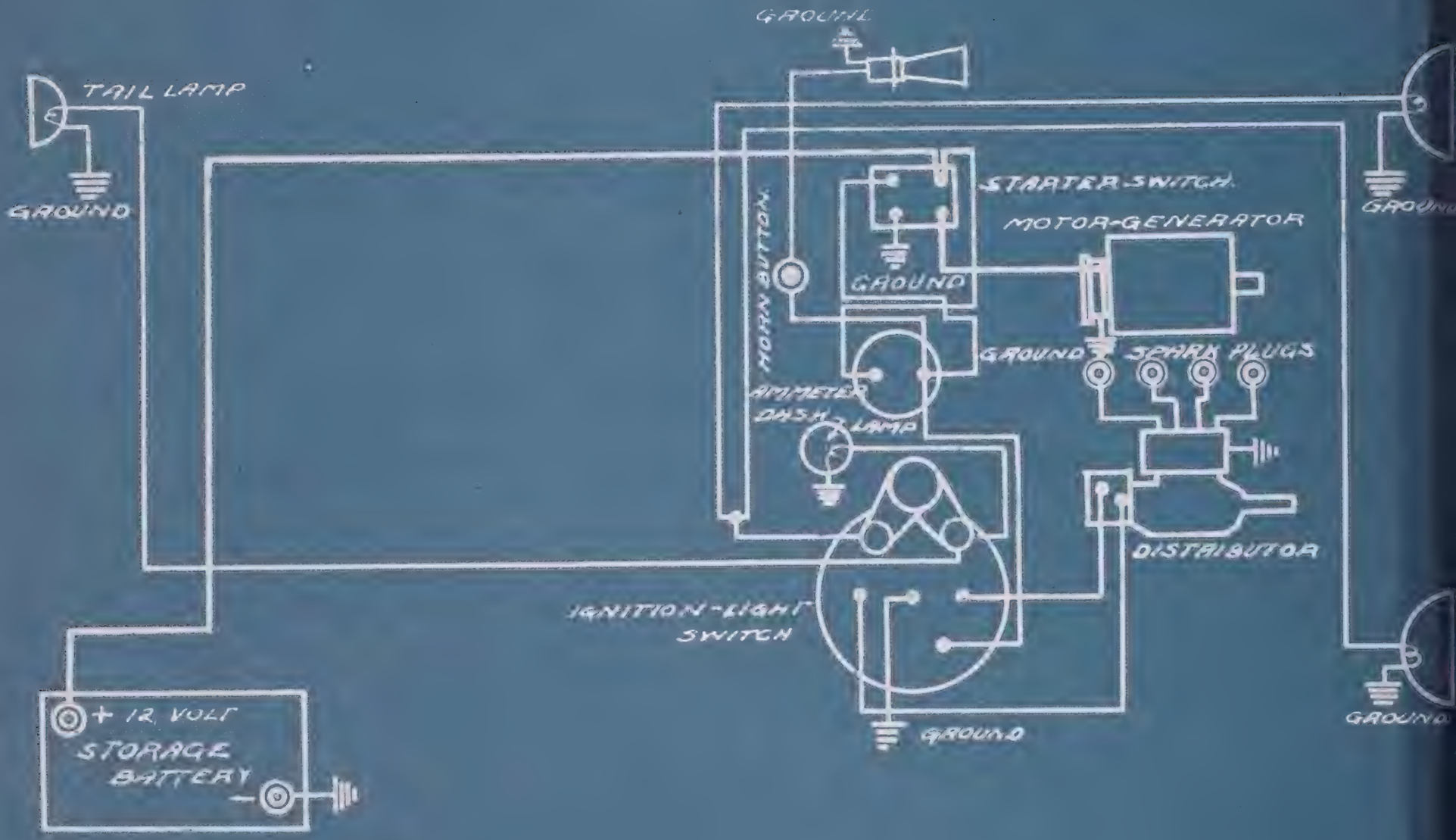
DODGE

NORTH-EAST - SINGLE WIRE STARTER - MAGNETO IGNITION.



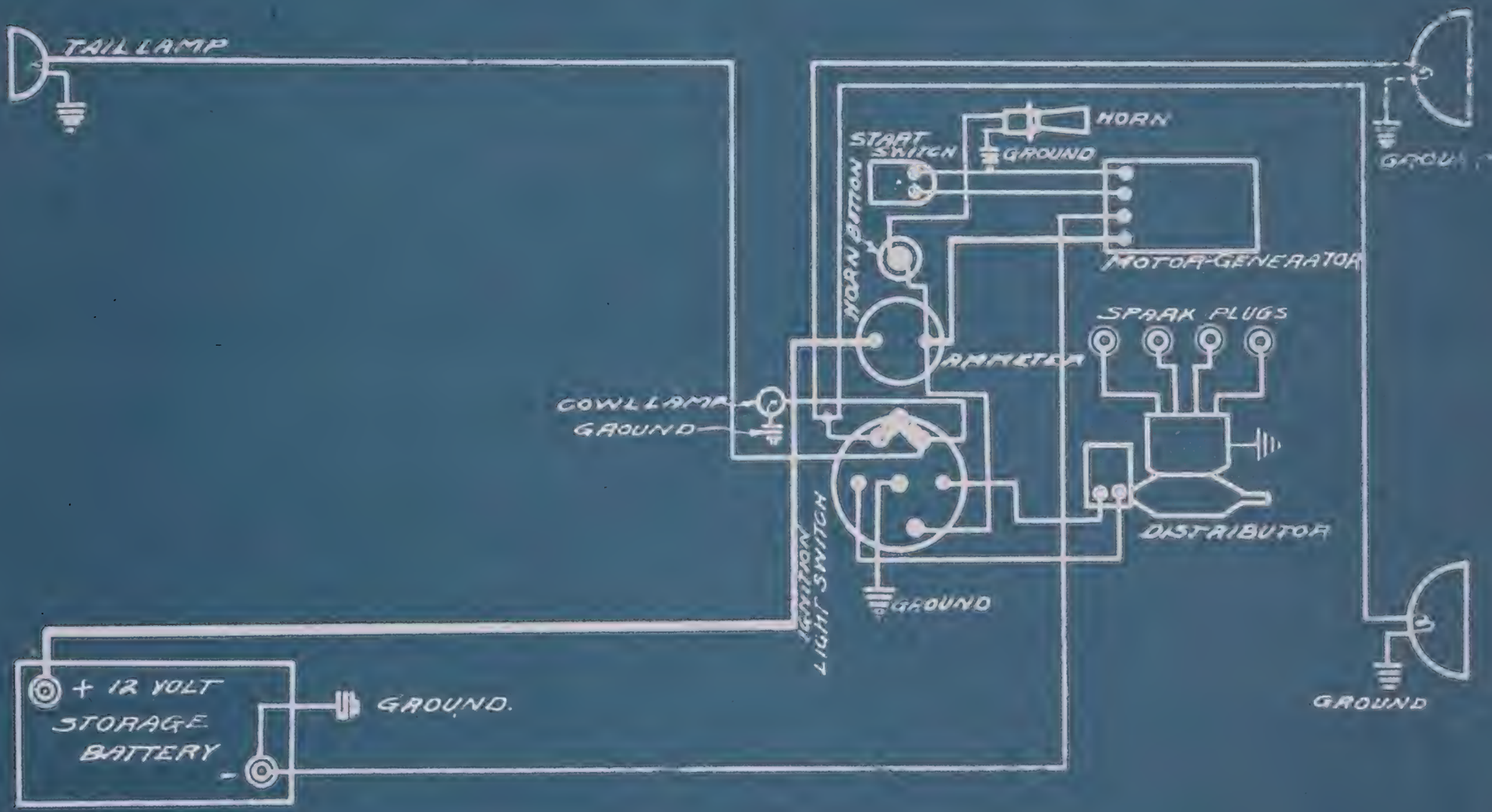
DODGE

NORTH-EAST — SINGLE WIRE STARTER — DELCO IGNITION

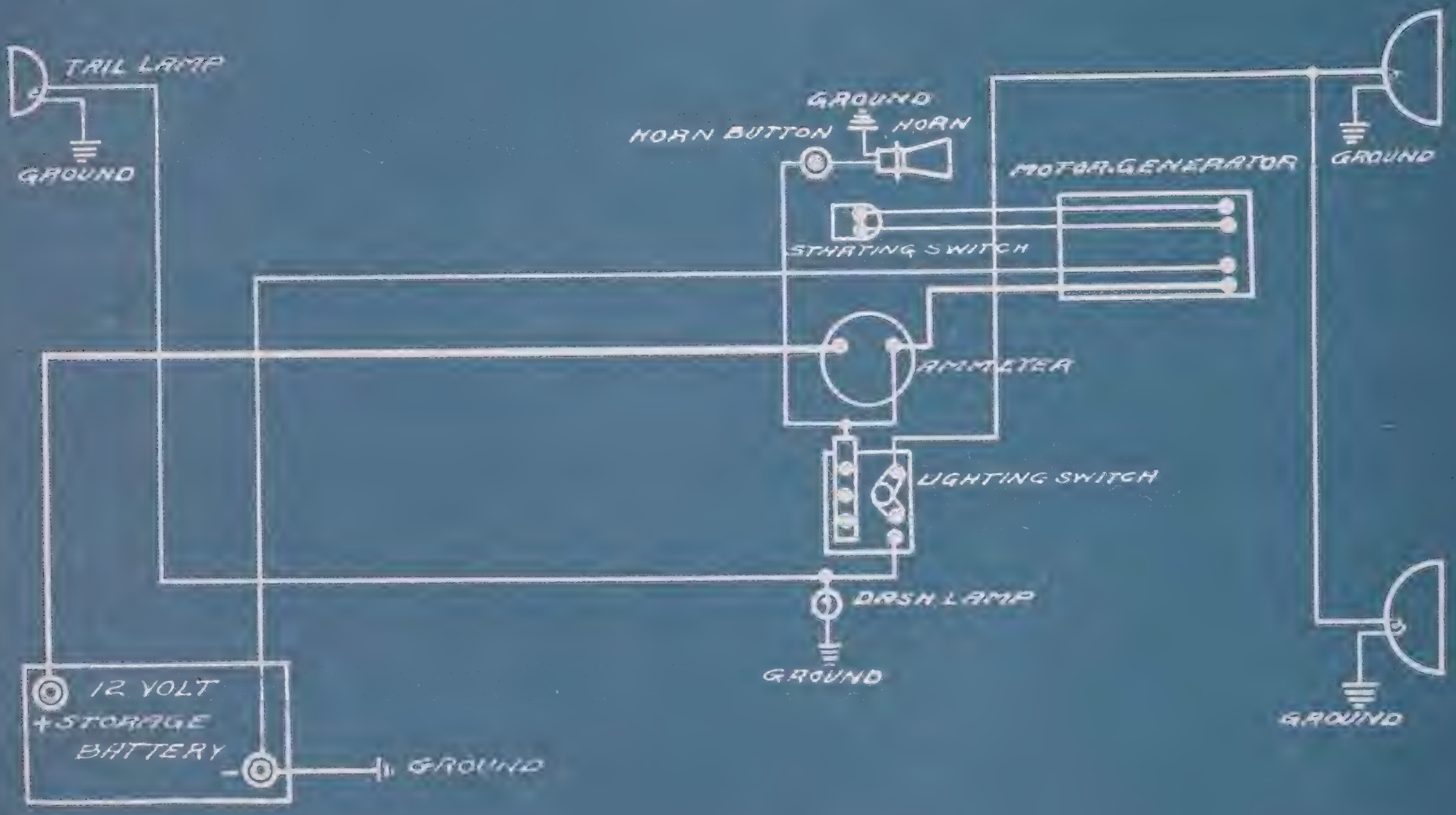


DODGE

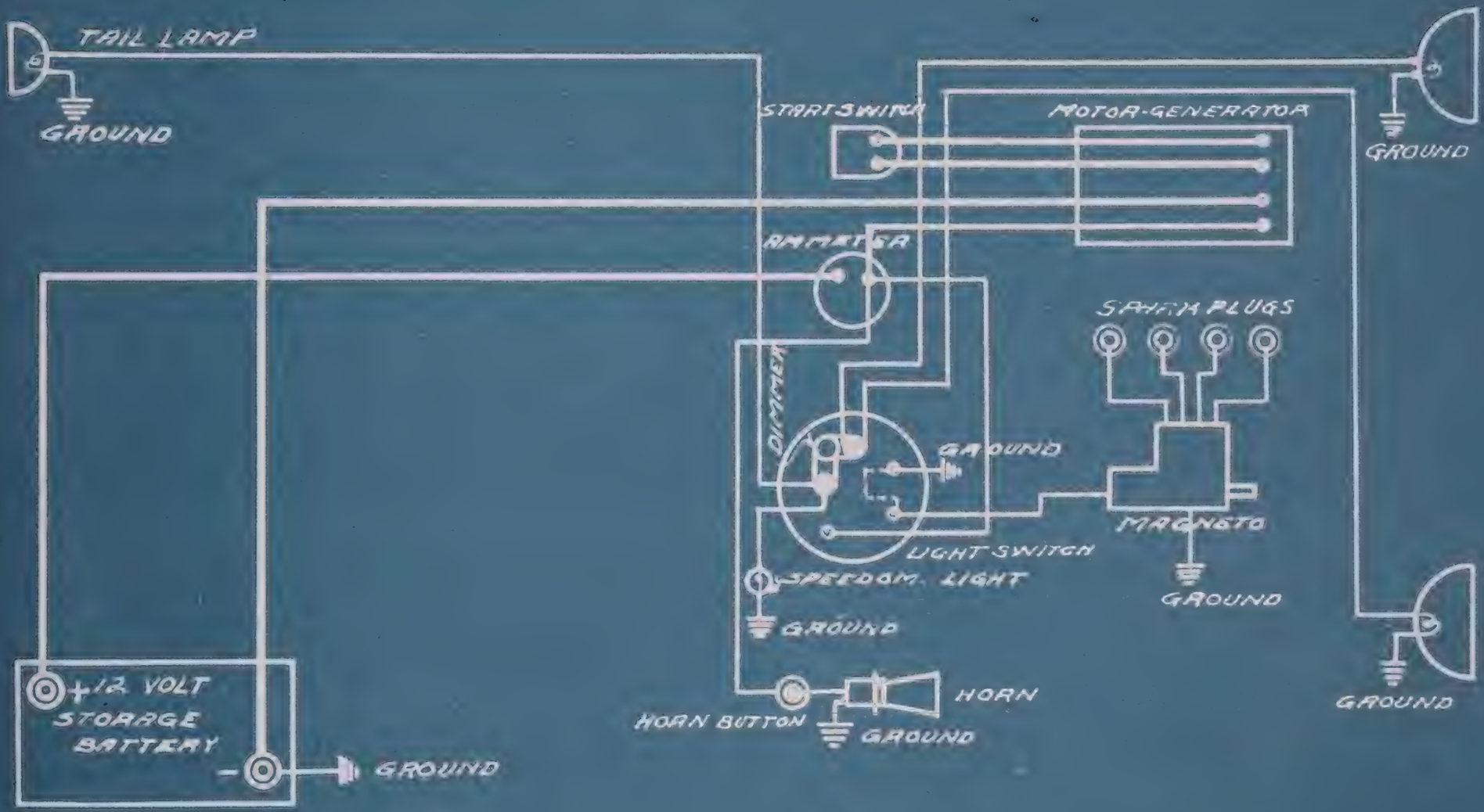
NORTH-EAST—TWO WIRE STARTER—DELCO IGNITION



DODGE 1915
NORTH-EAST SYSTEM

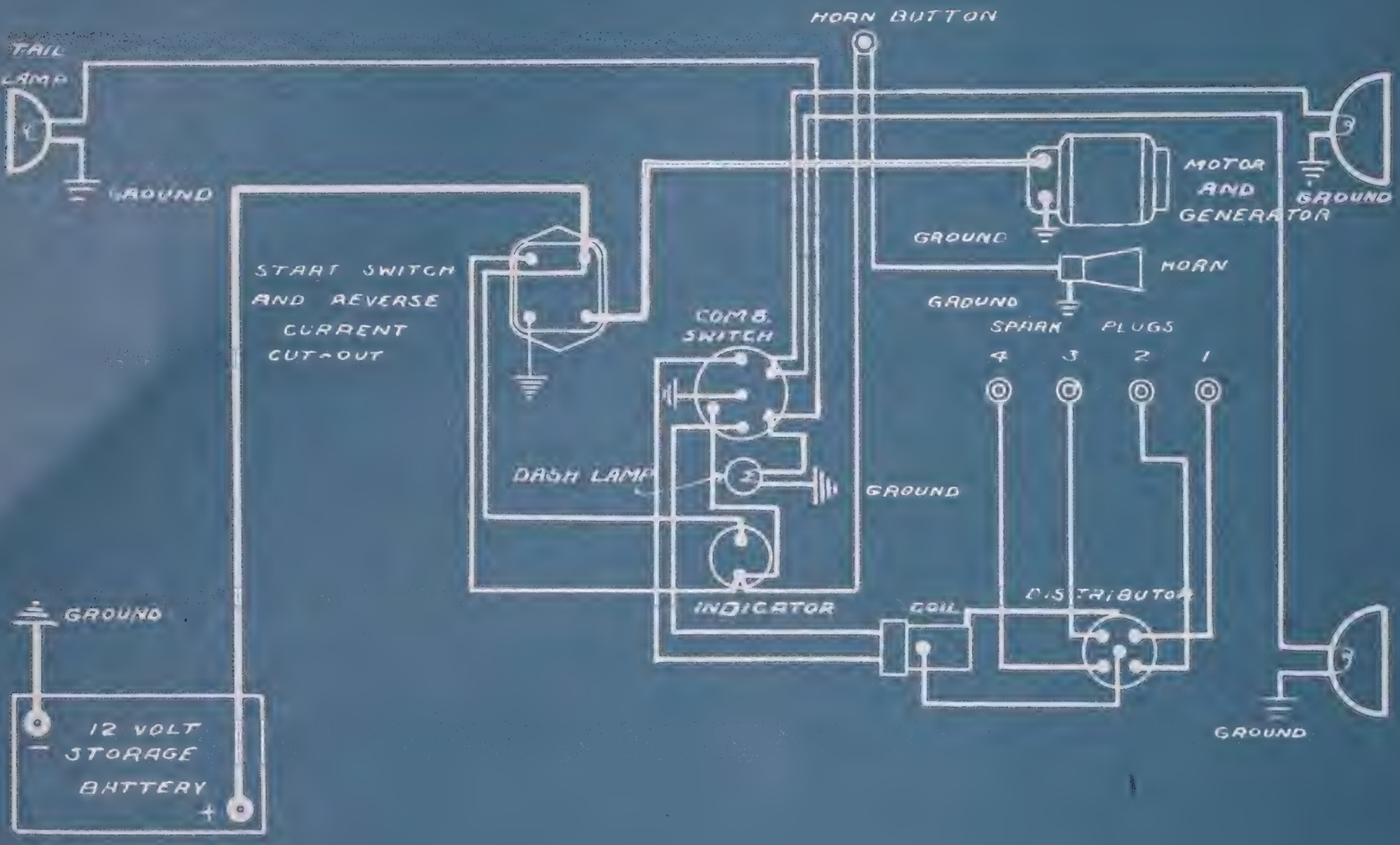


DODGE 1916
NORTH-EAST SYSTEM



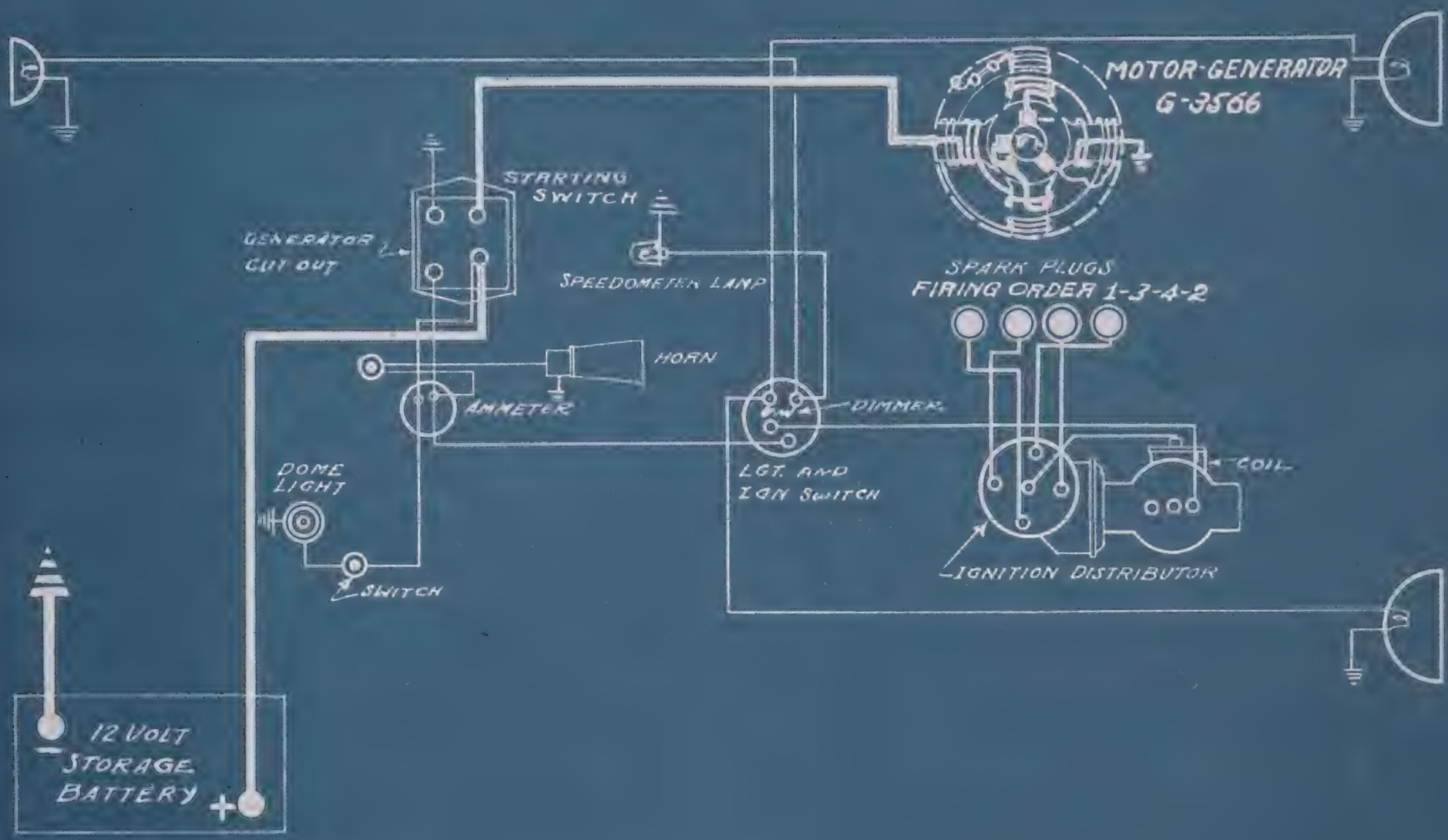
DODGE MODEL 30 1917-1918-1919

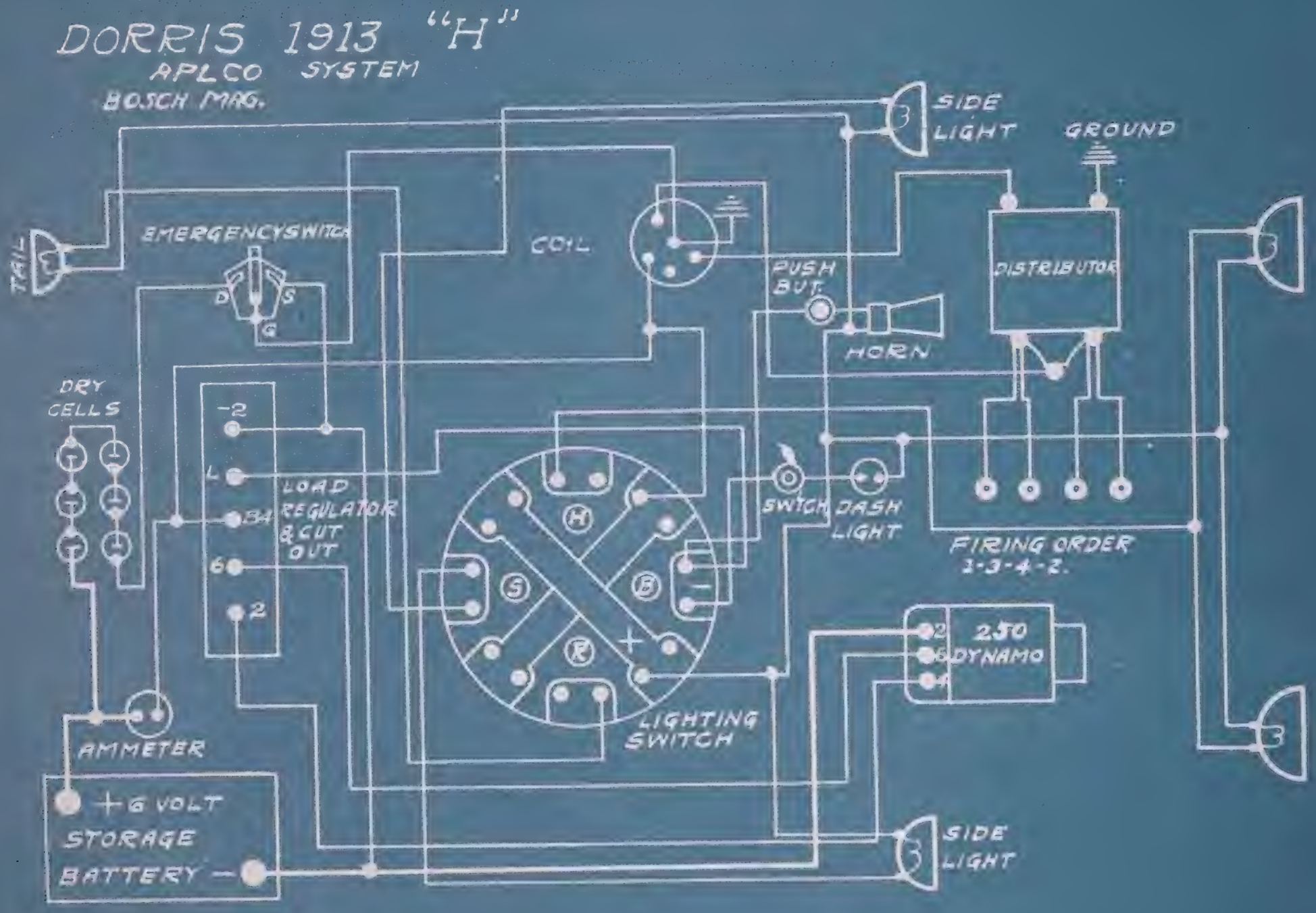
NORTHEAST SYSTEM



DODGE 1920-1921-1922

NORTH-EAST SYSTEM



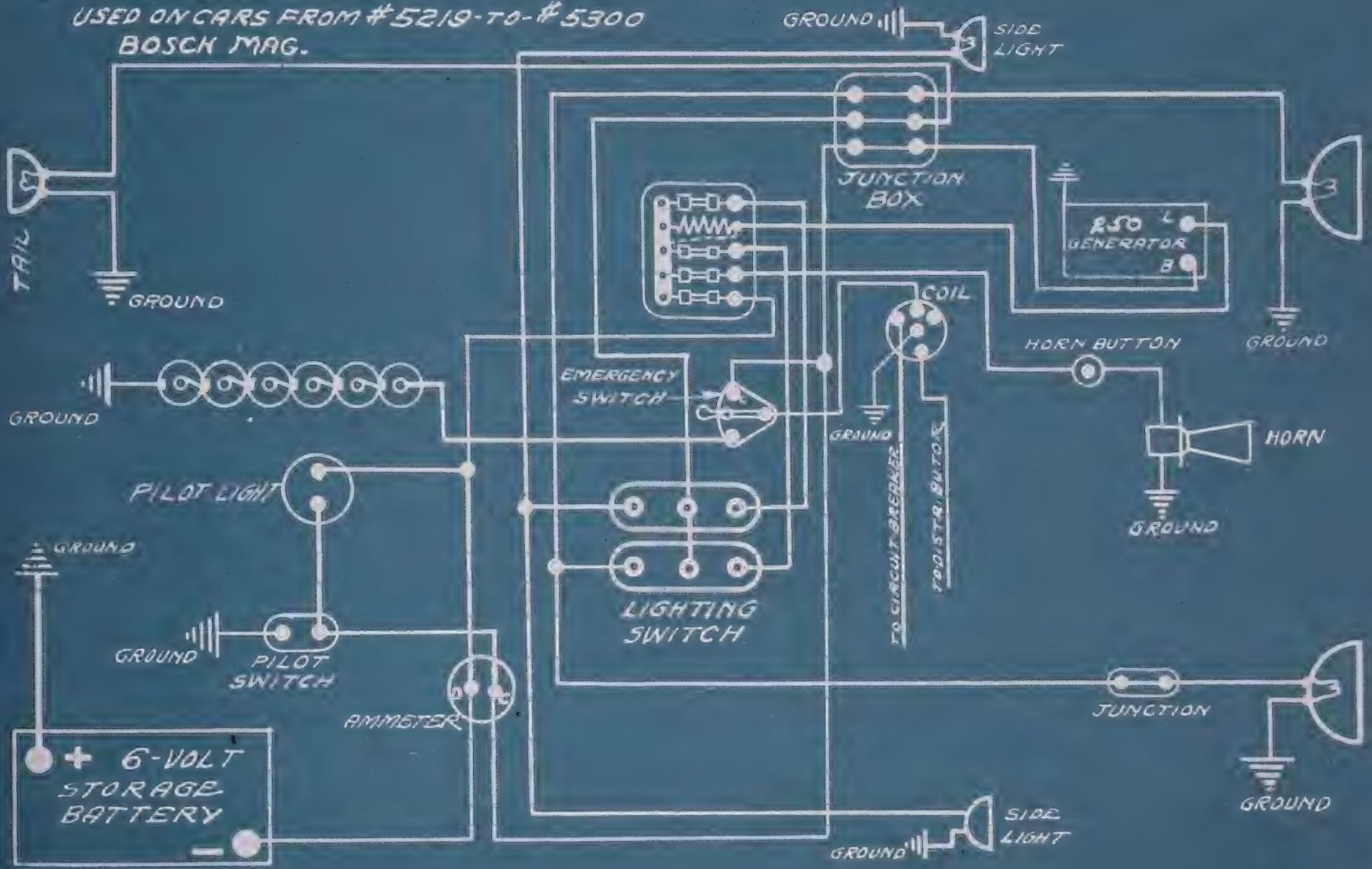

DORRIS 1913 "H"
APLCO SYSTEM
BOSCH MAG.
SIDE LIGHT
GROUND
TAIL
EMERGENCY SWITCH
D
S
G
COIL
PUSH BUT.
DISTRIBUTOR
HORN
DRY CELLS
-2
L
B+
6
2
LOAD REGULATOR & CUT OUT
H
S
B
K
+
SWITCH
DASH LIGHT
FIRING ORDER 1-3-4-2.
2
6
4
230 DYNAMO
LIGHTING SWITCH
AMMETER
+6 VOLT STORAGE BATTERY -
SIDE LIGHT

DORRIS 1913-1914 MODEL "H"

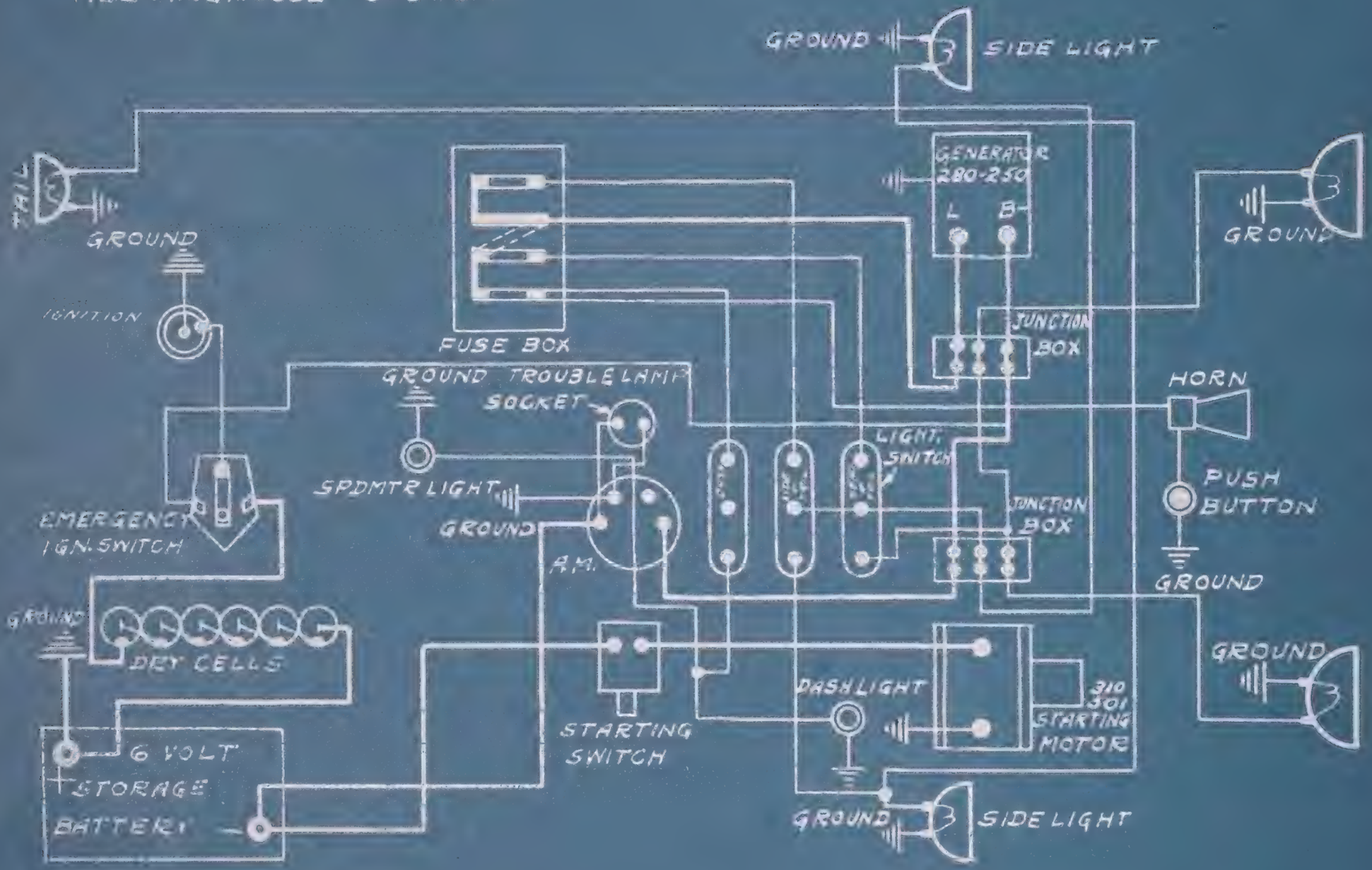
WESTINGHOUSE SYSTEM

USED ON CARS FROM #5219-TO-#5300

BOSCH MAG.



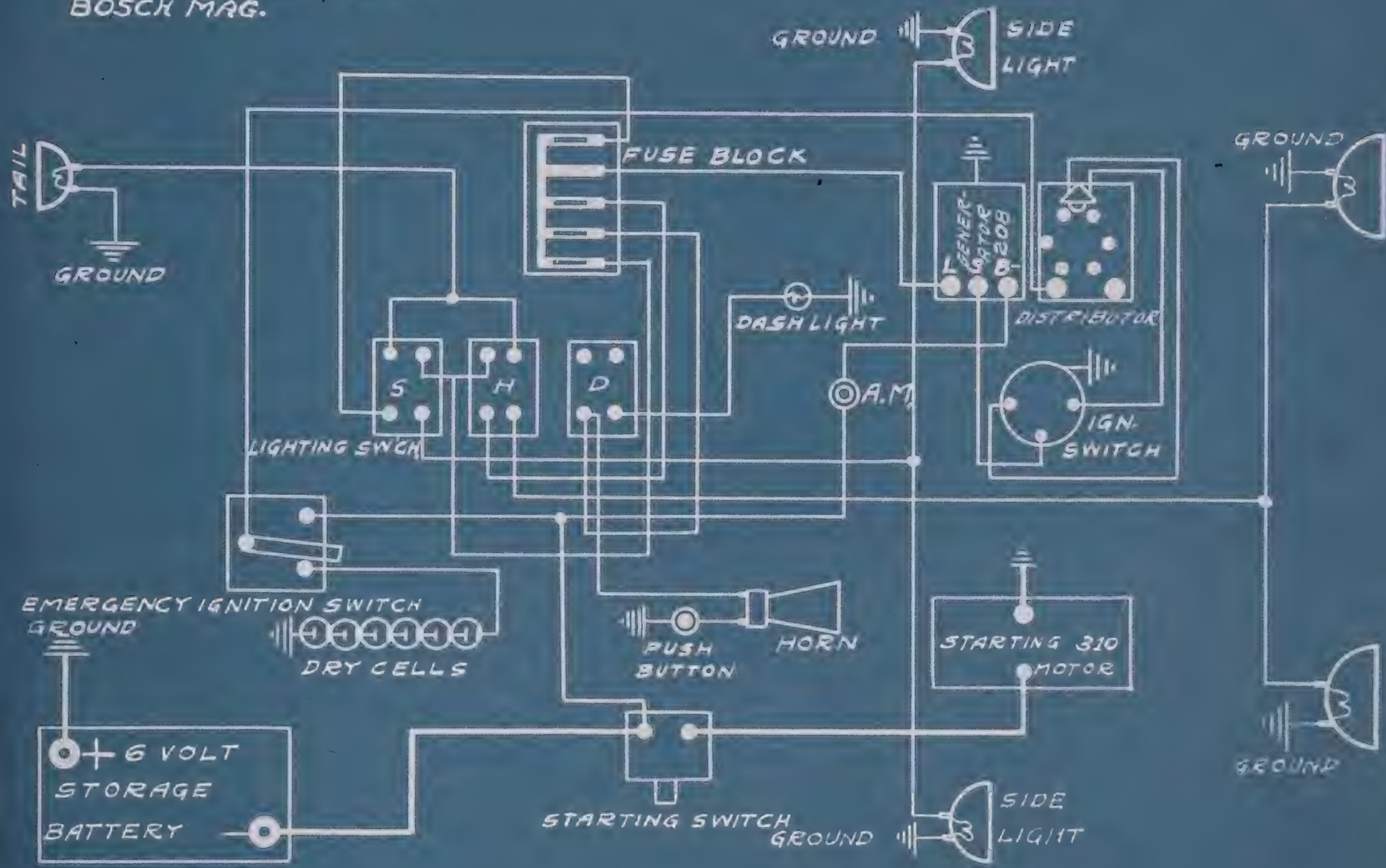
DORRIS 1914 "I"
WESTINGHOUSE SYSTEM



DORRIS 1915 "I-A-4"

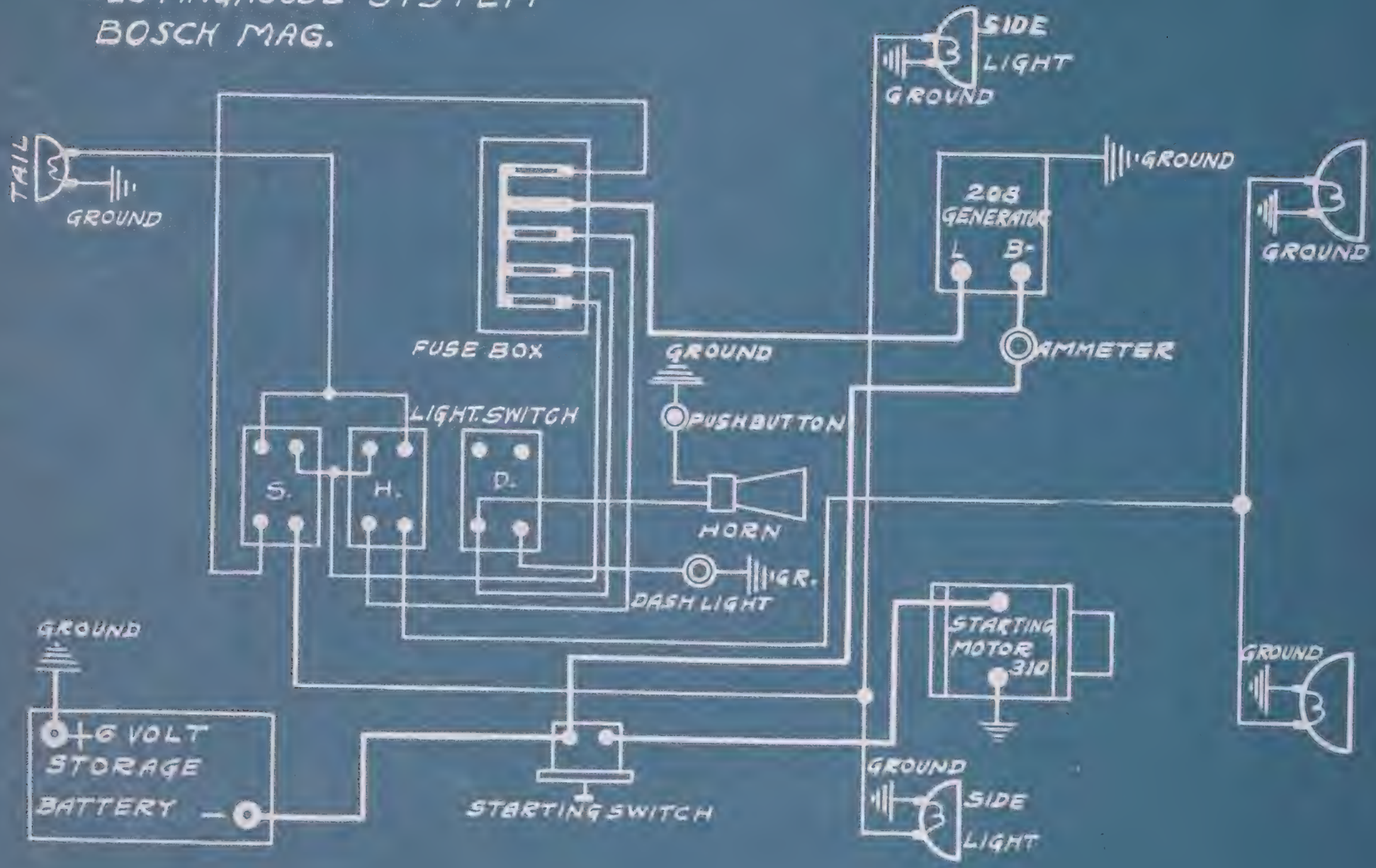
WESTINGHOUSE SYSTEM

BOSCH MAG.



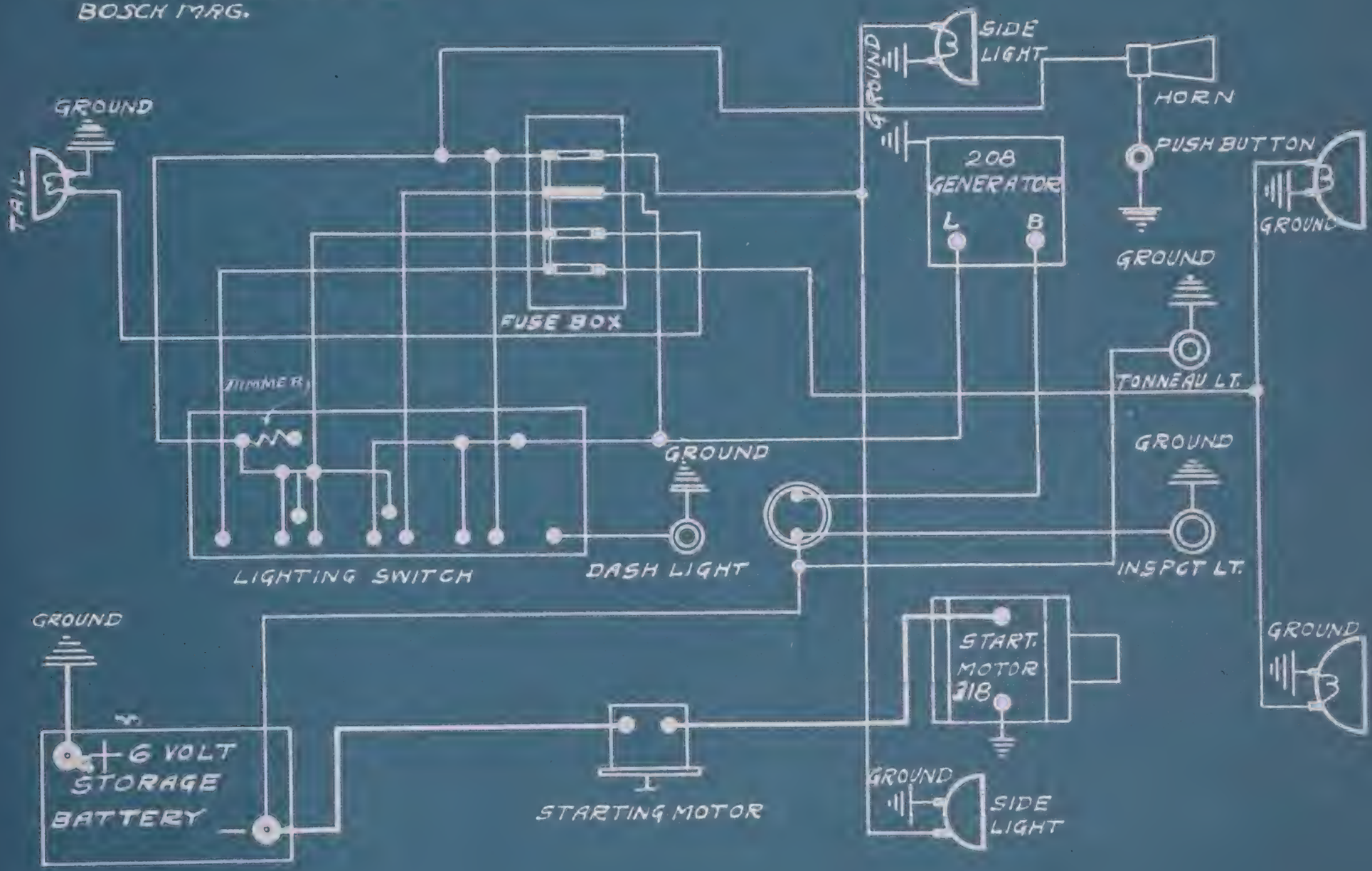
DORRIS 1916 "I-A-6"

WESTINGHOUSE SYSTEM
BOSCH MAG.



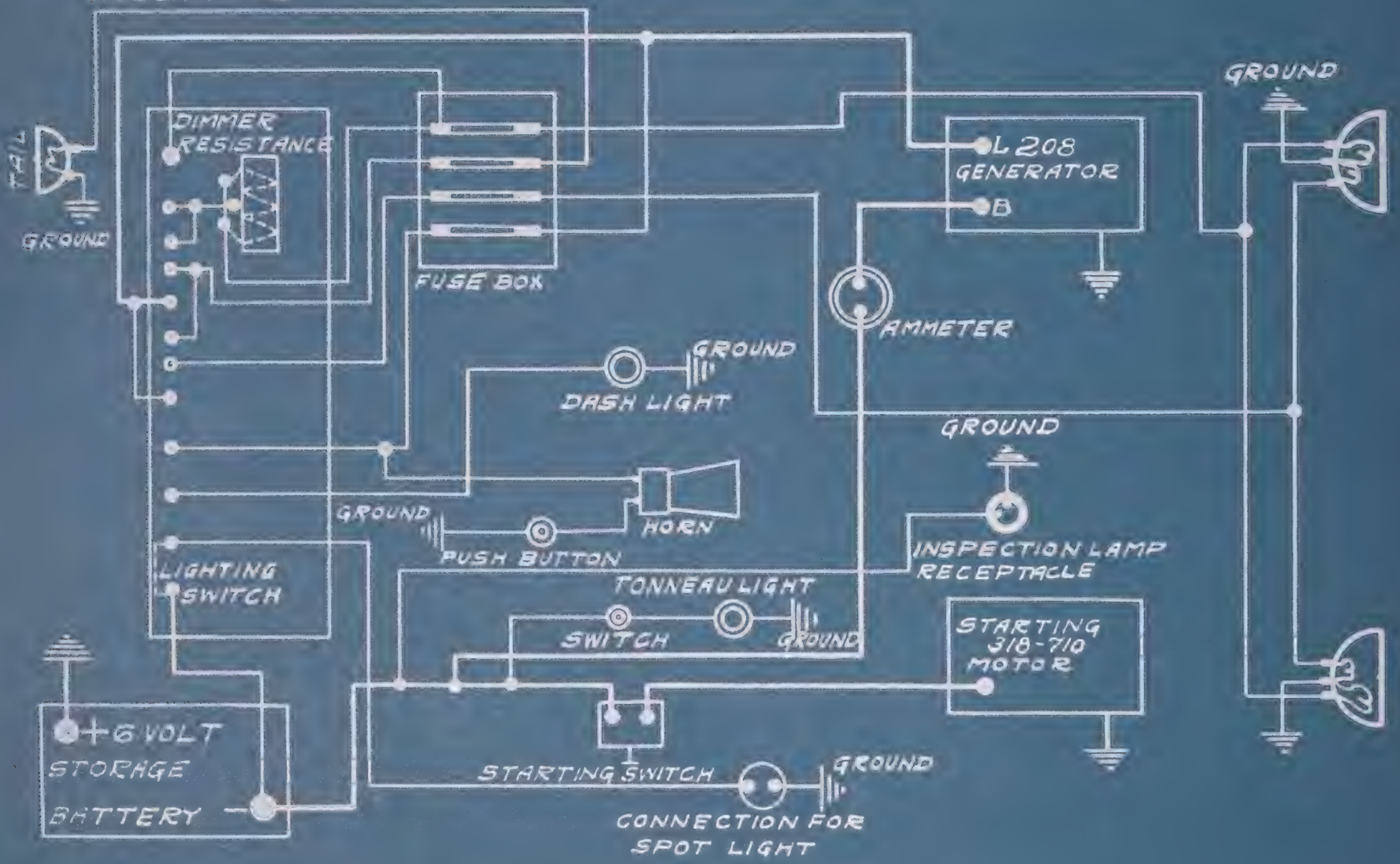
DORRIS 1917 "I-B-6"

WESTINGHOUSE SYSTEM
BOSCH MAG.



DORRIS 1918 I-C-6 - 1919 EARLY MODELS

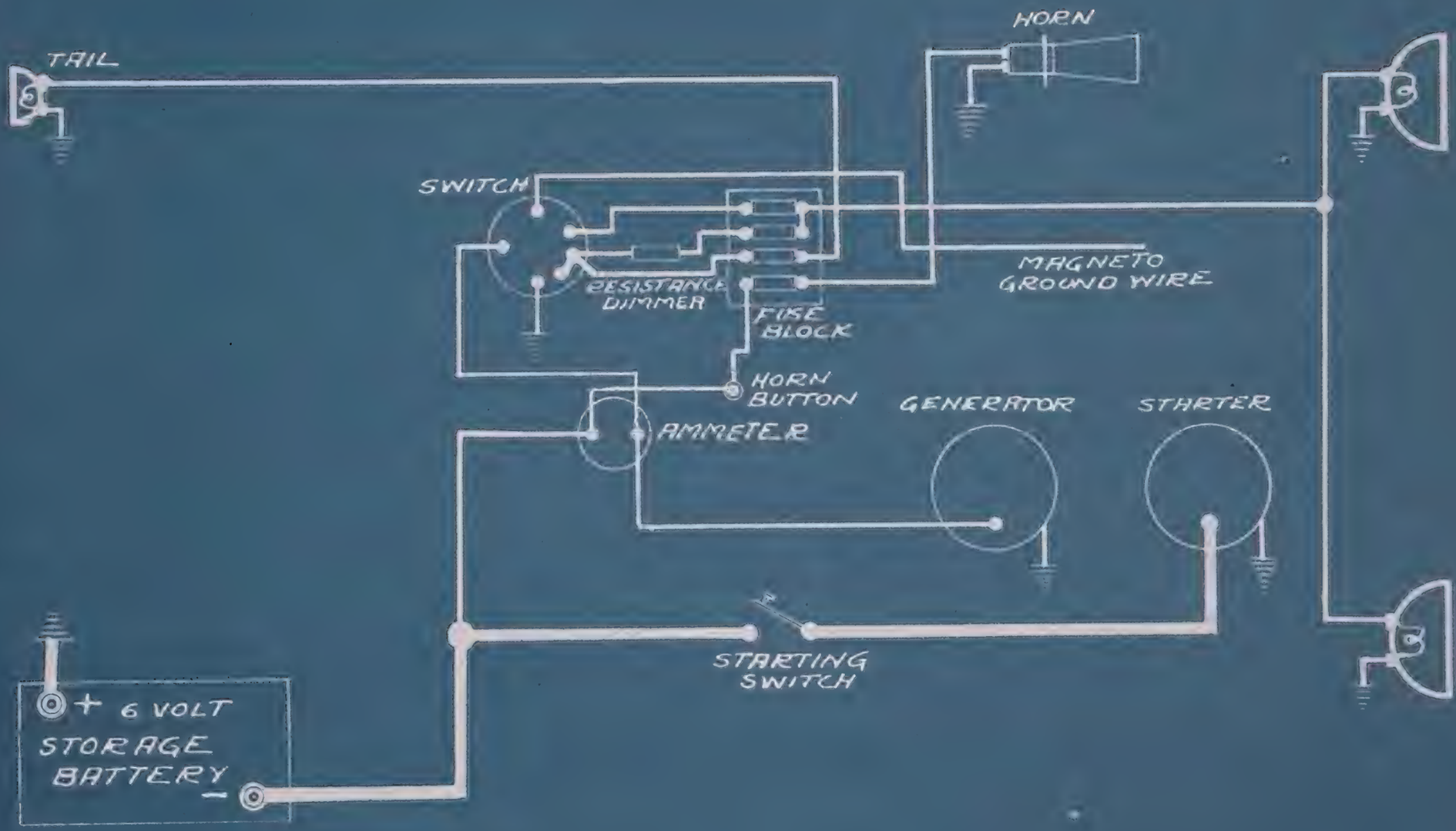
WESTINGHOUSE SYSTEM
BOSCK MAG



DORRIS MODEL K-4 1919

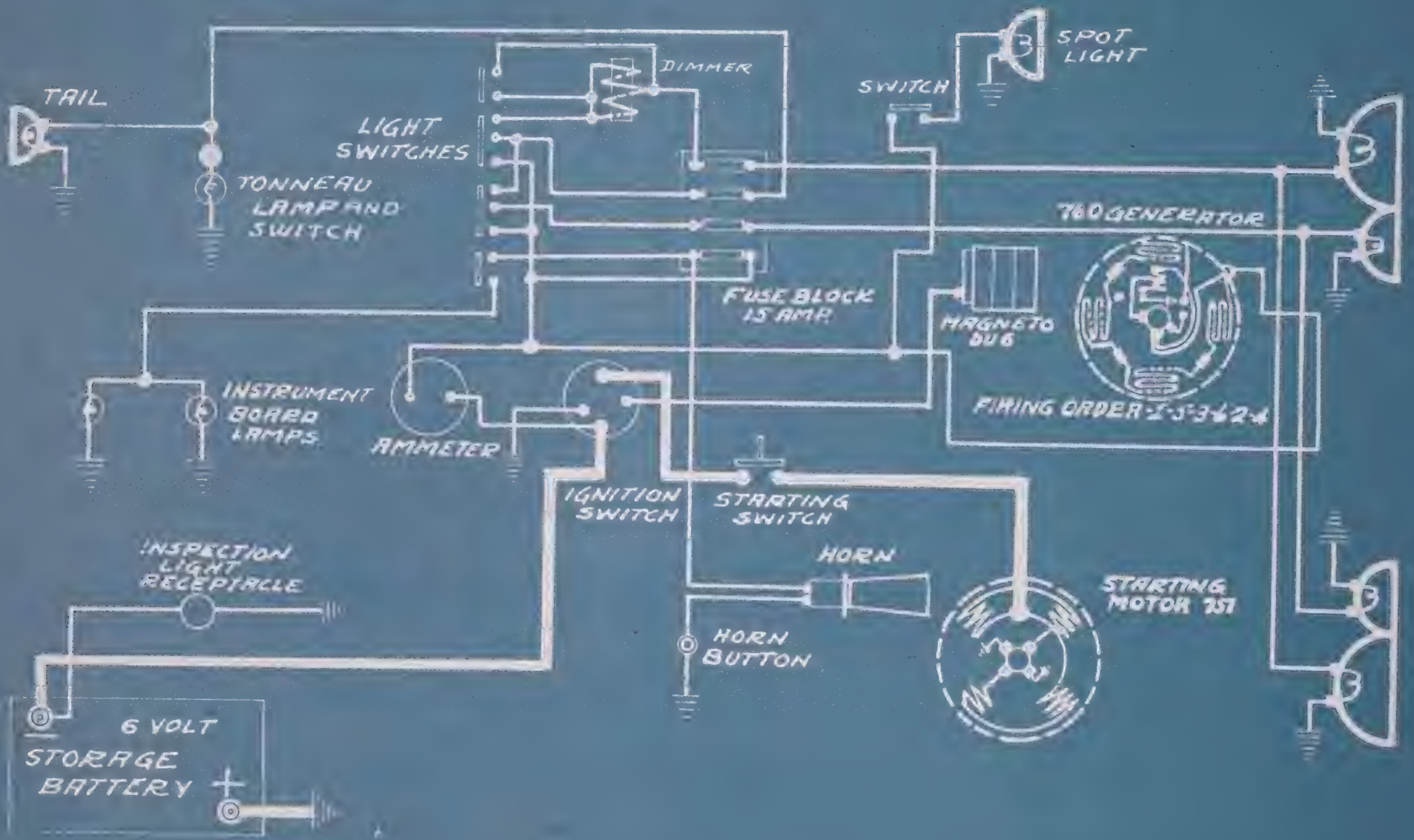
WESTINGHOUSE SYSTEM

BOSCH MAGNETO IGNITION



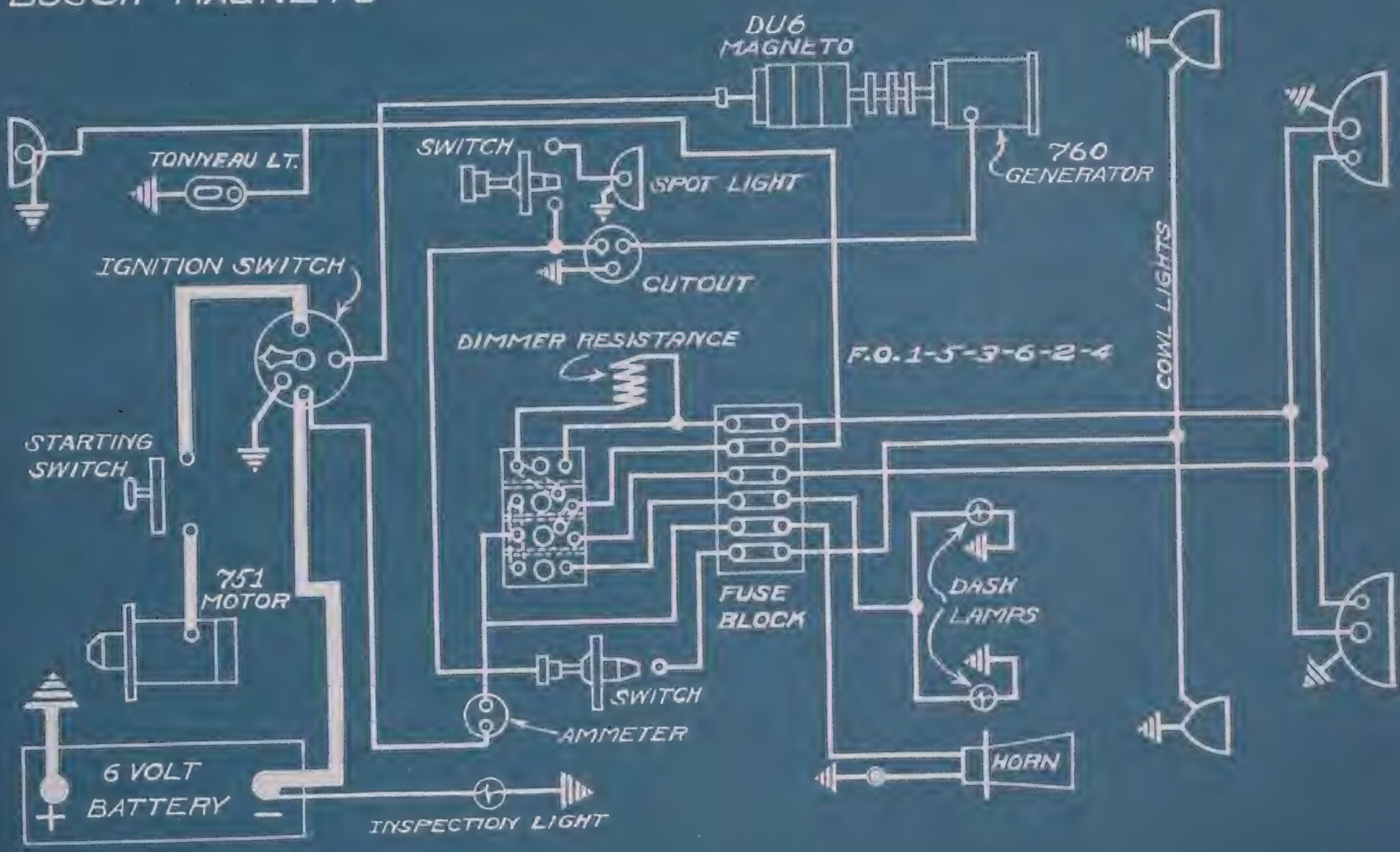
DORRIS 6-80 1920-1921

WESTINGHOUSE STARTING AND LIGHTING
BOSCH MAGNETO IGNITION



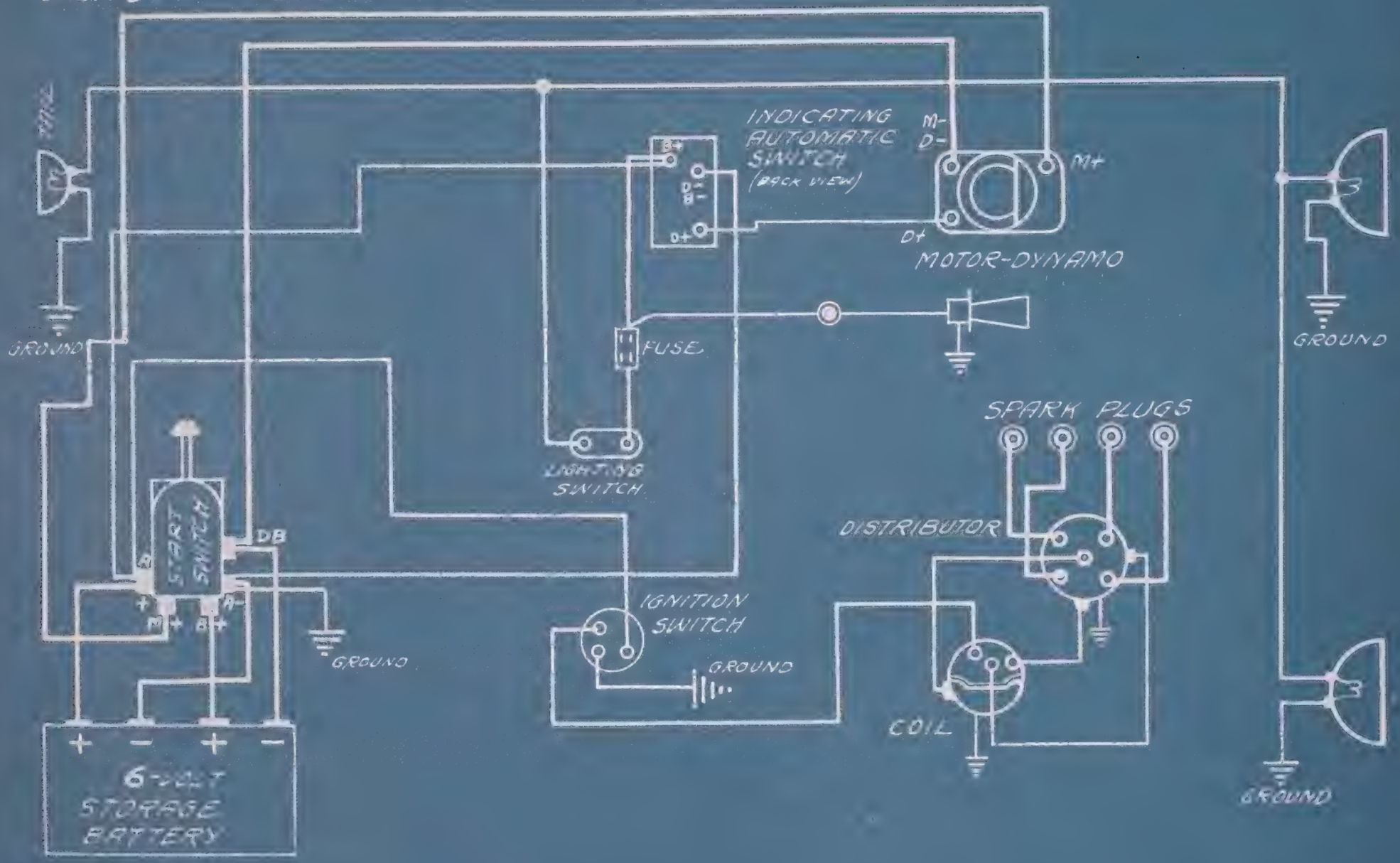
DORRIS "6-80" 1922

WESTINGHOUSE SYSTEM
BOSCH MAGNETO



DORT 1915 "4" & "5"

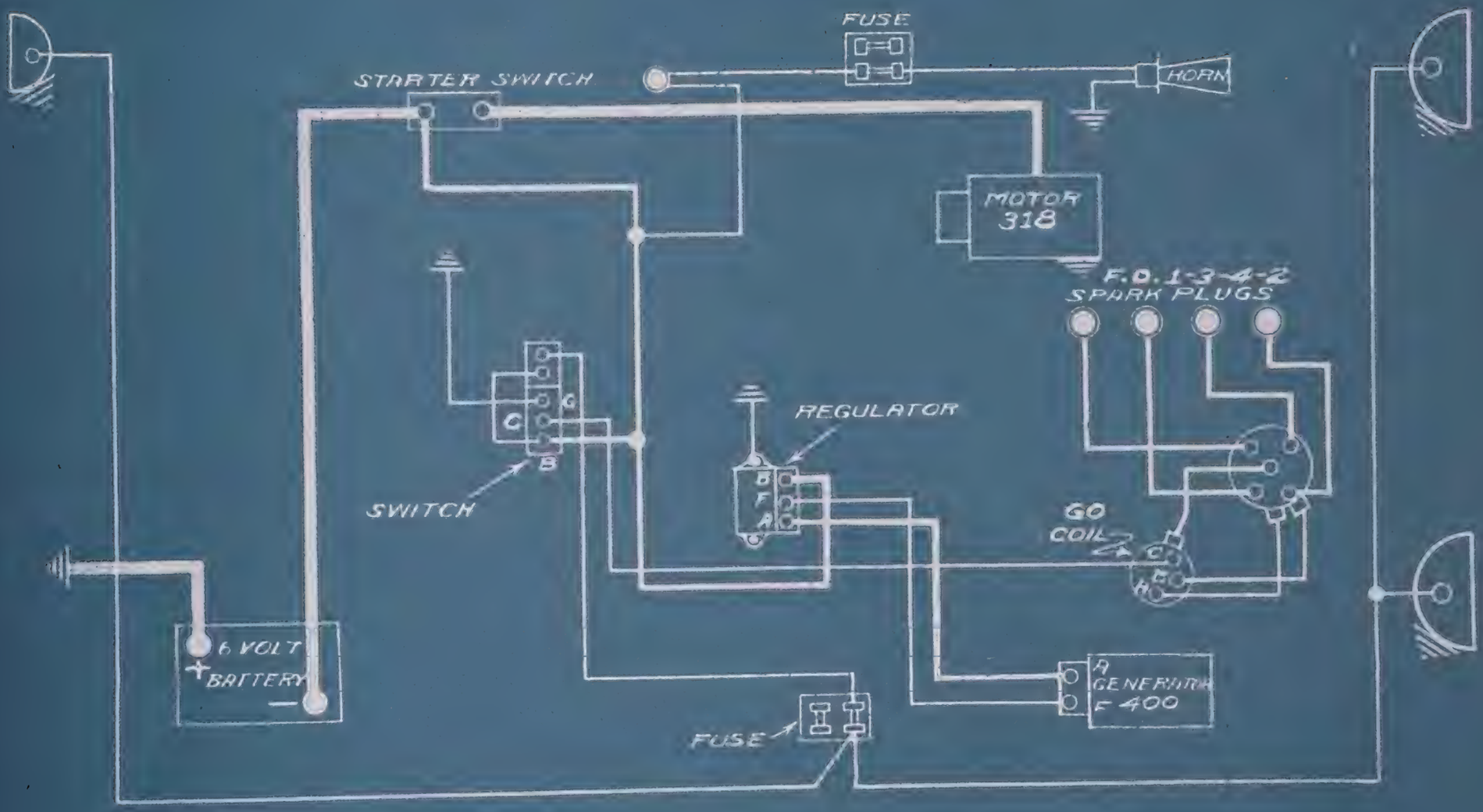
SPLITDORF-APELCO SYSTEM CONN. IGN.



DORT 1916 5A

WESTINGHOUSE SYSTEM

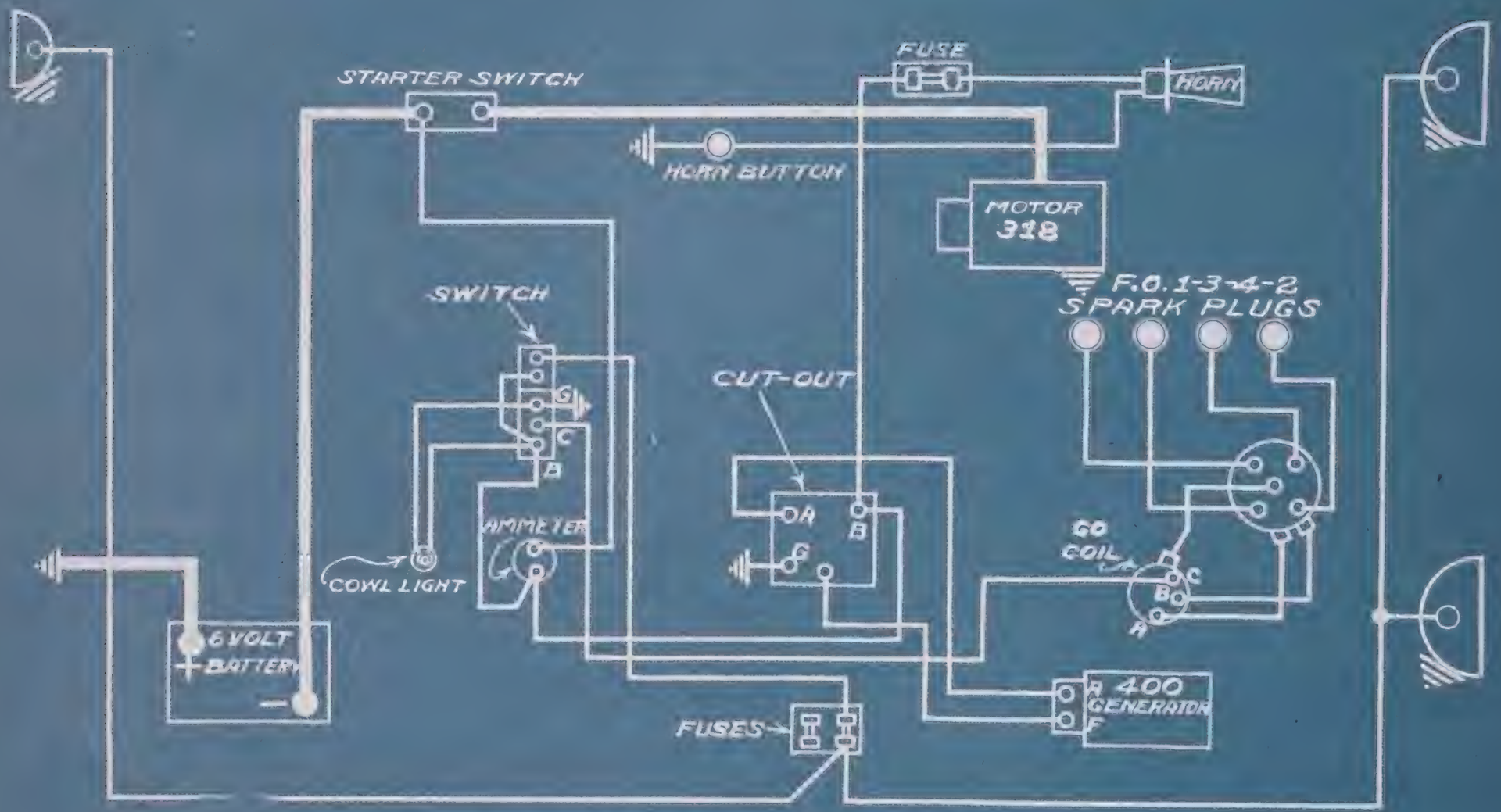
CONNECTICUT IGN.



DORT 1916 5A

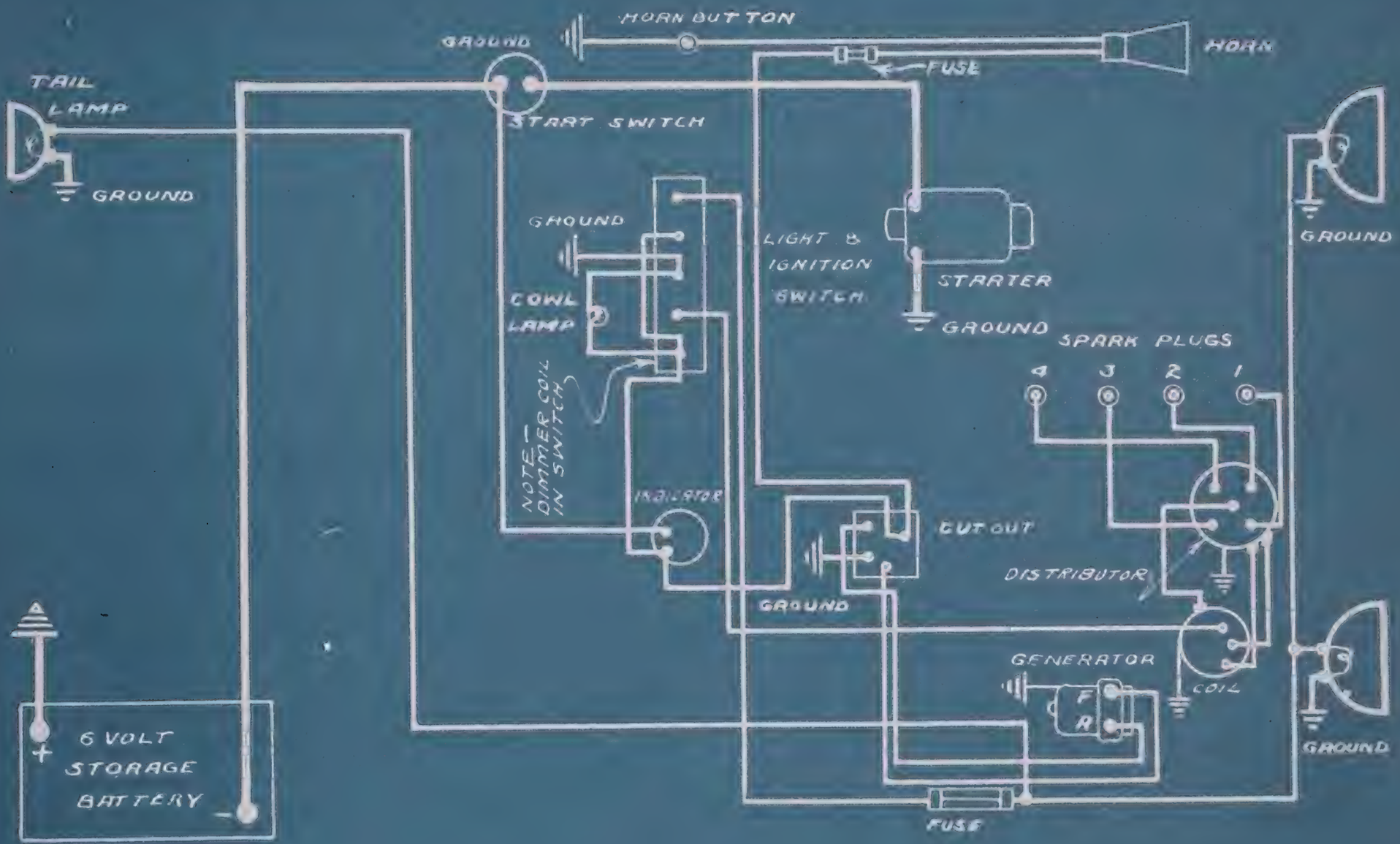
WESTINGHOUSE SYSTEM

CONNECTICUT IGN.



DORT MODEL 9 1917

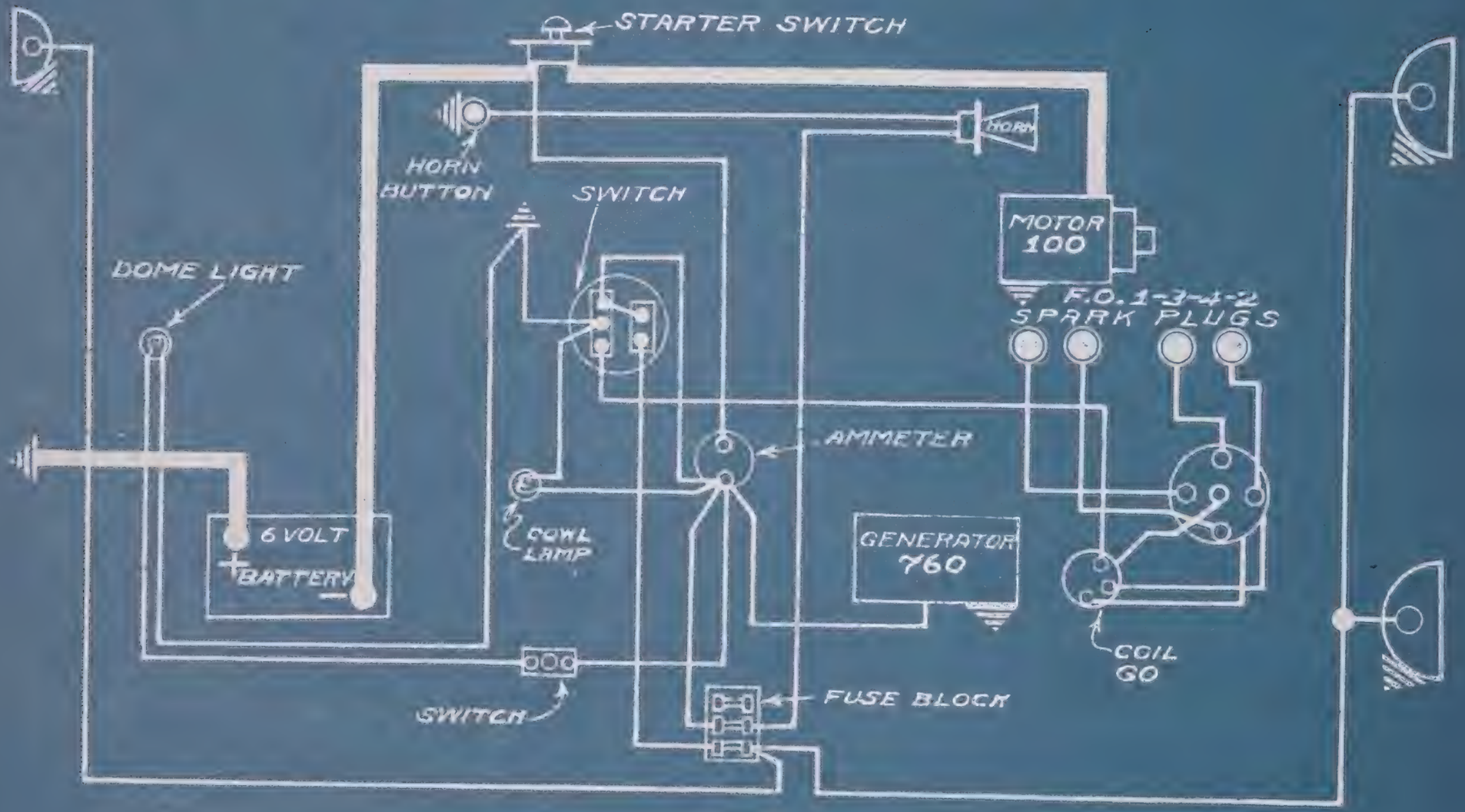
WESTINGHOUSE SYSTEM
CONN. IGN.



DORT "6-8-9-11" 1917-18-19

WESTINGHOUSE SYSTEM

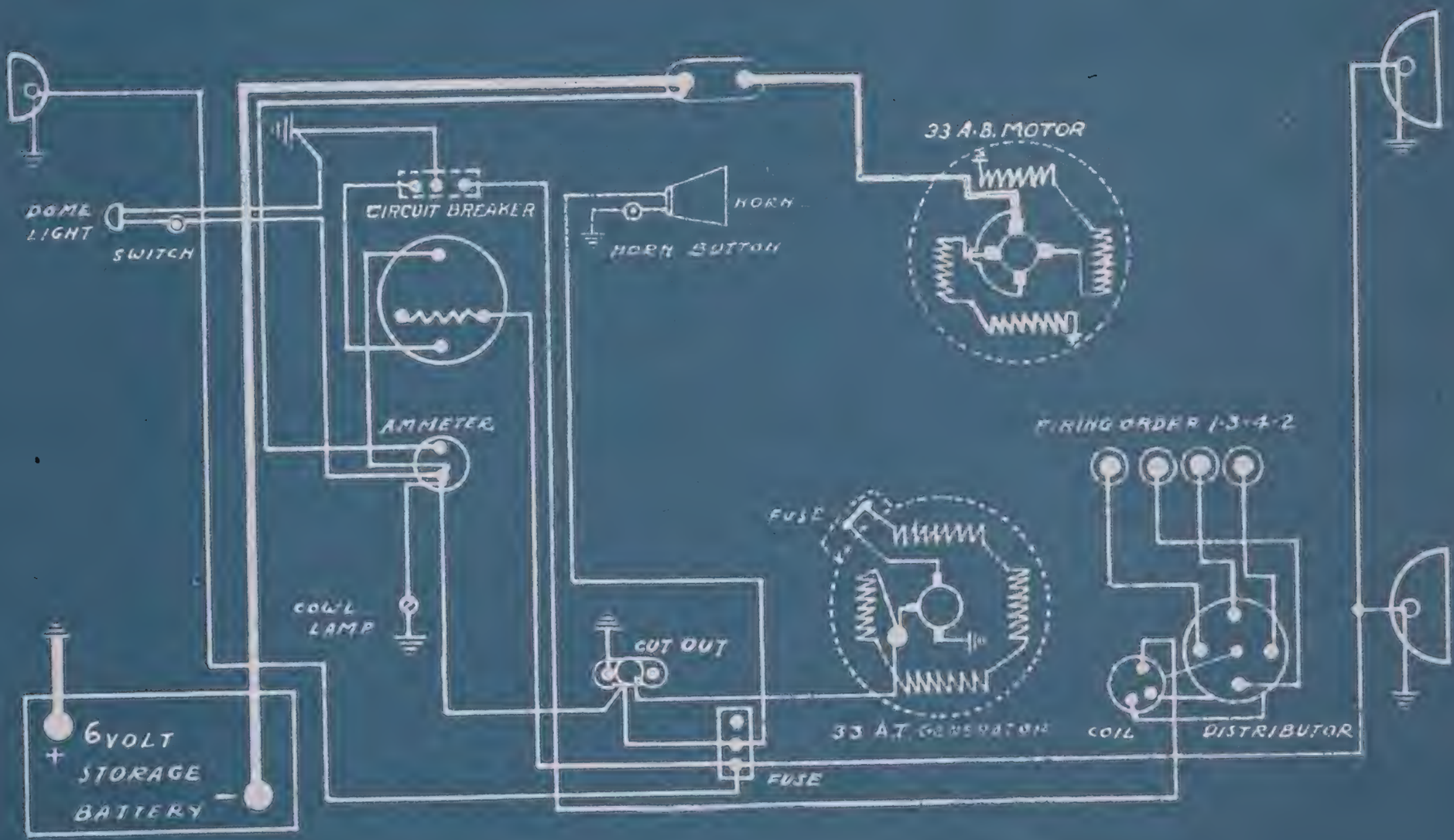
CONNECTICUT IGNITION



DORT 1920-1921

WESTINGHOUSE SYS.

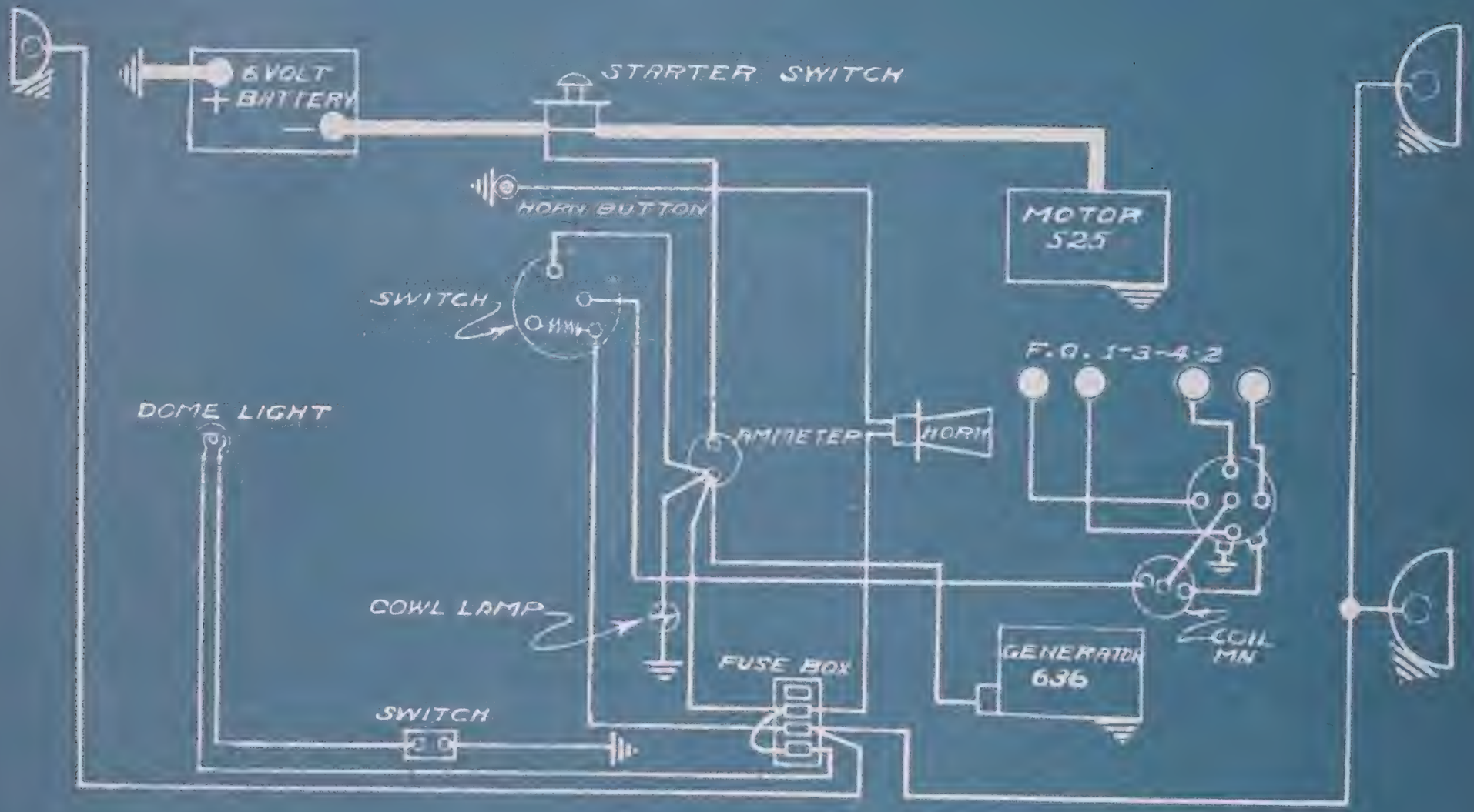
CONN. IGN.



DORT "12, 14, 17, 19" 1921-22

BOSCH SYSTEM

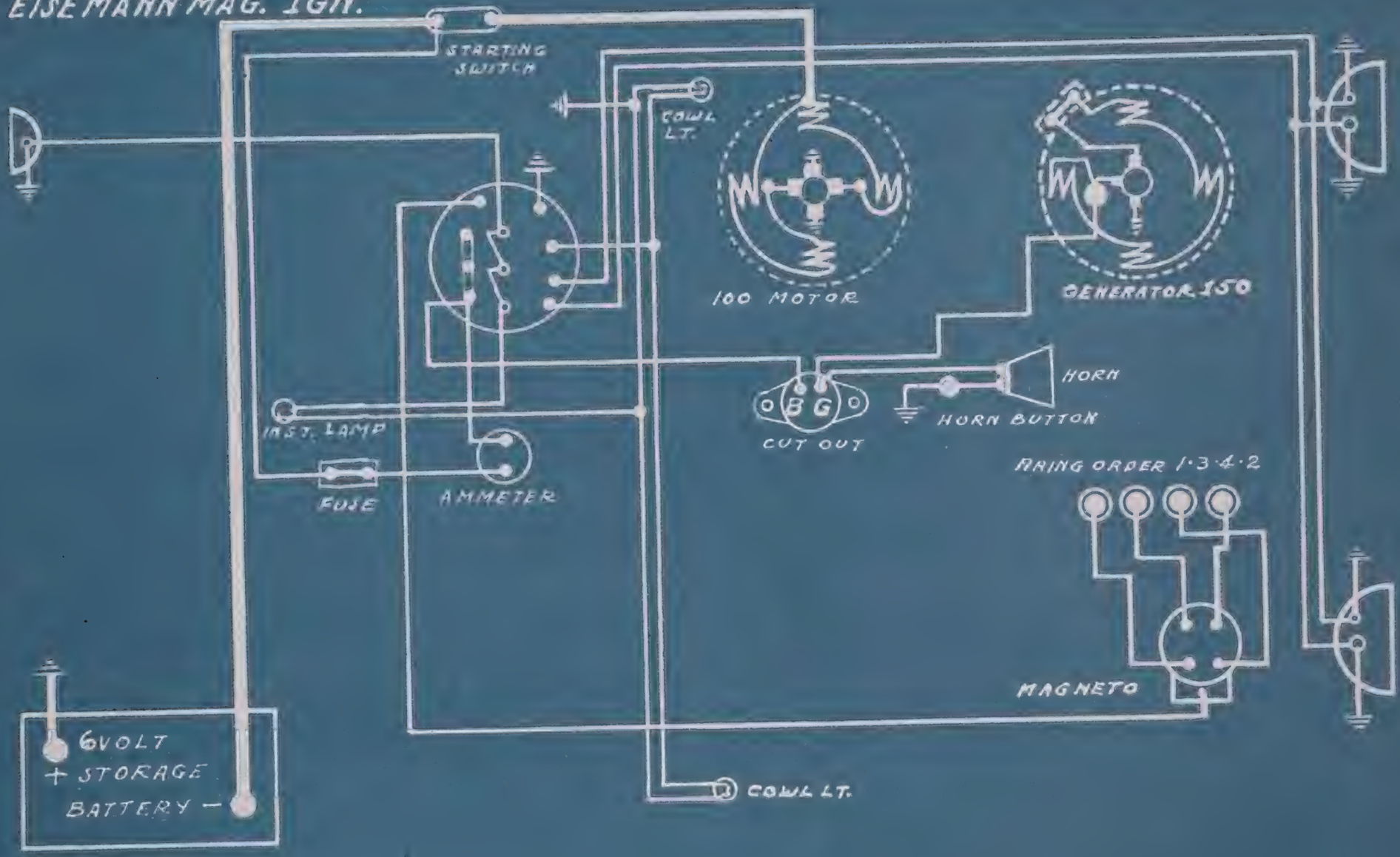
CONN. IGN.



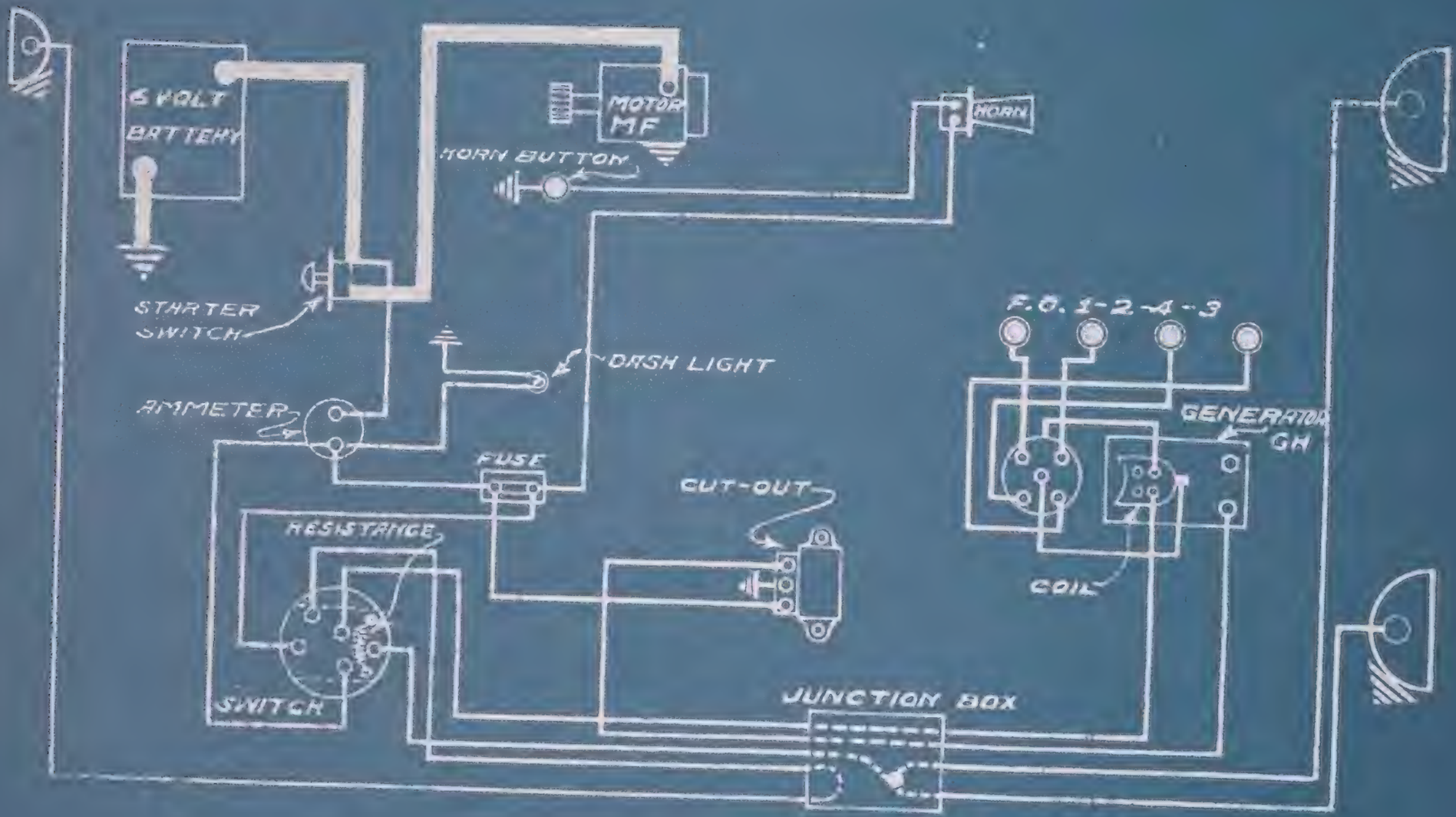
DU PONT "A" 1920-1921

WESTINGHOUSE SYSTEM

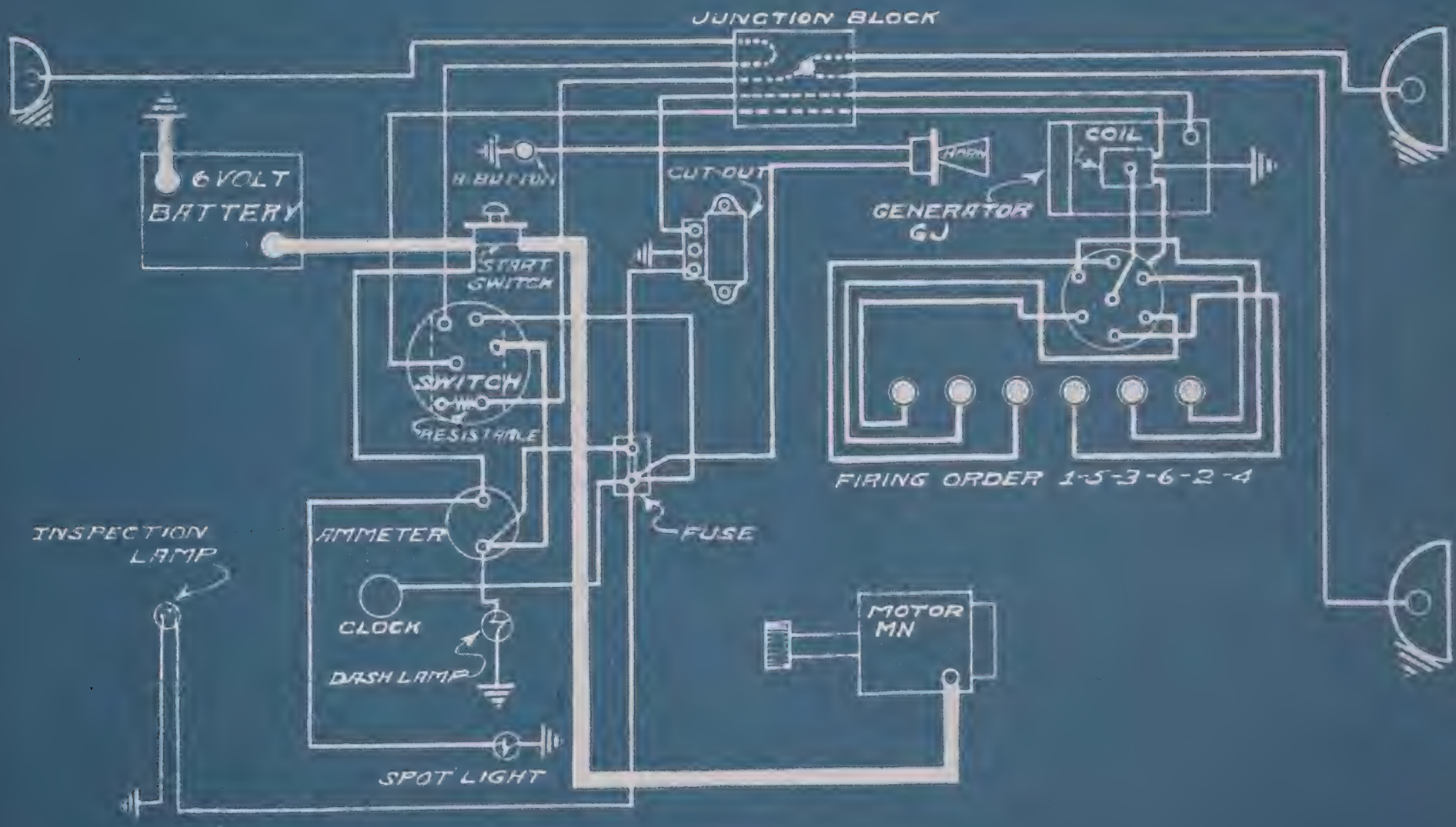
EISEMANN MAG. IGN.



DURANT "A-22" 1922
AUTO-LITE SYSTEM



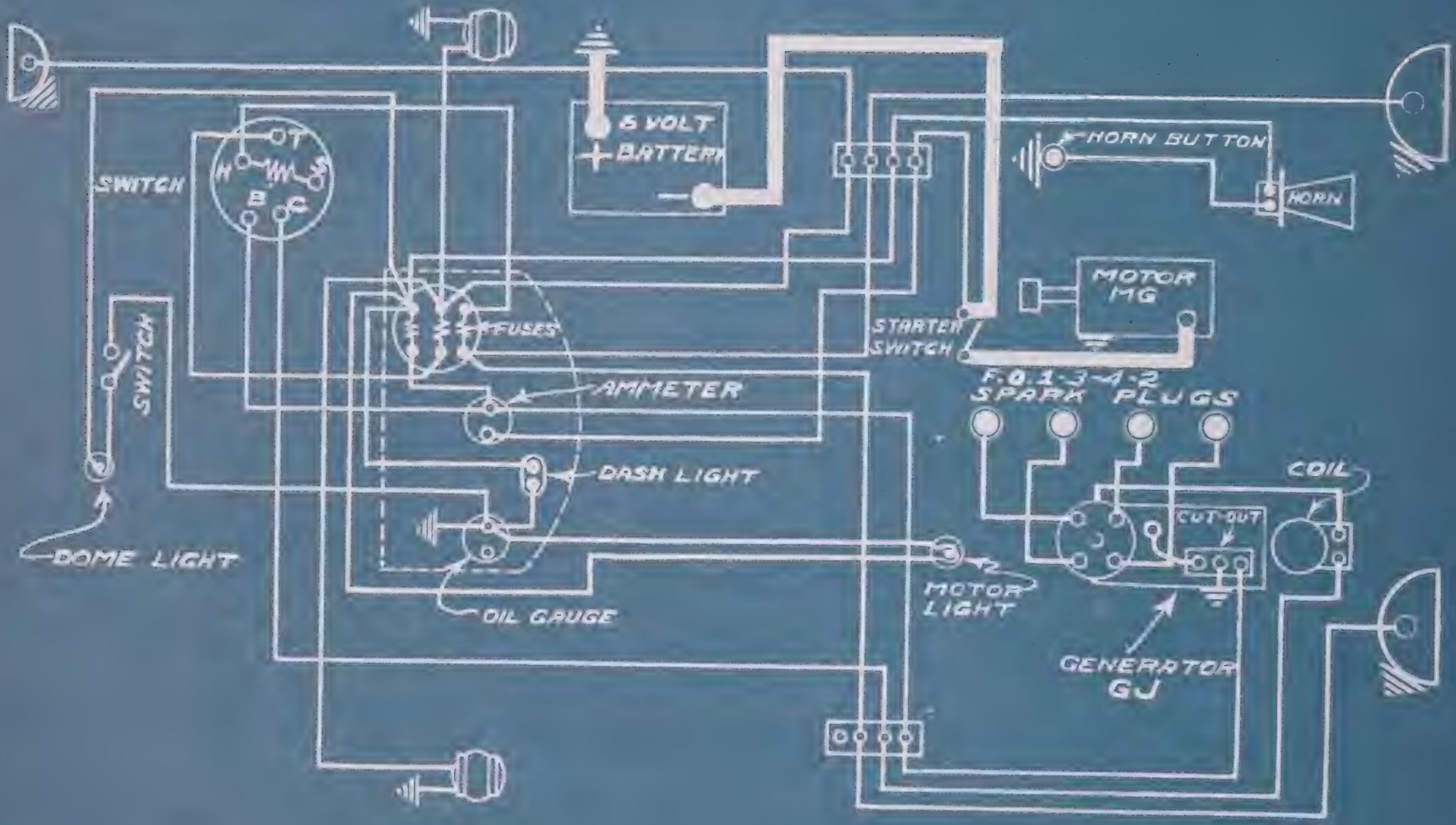
DURANT "B-22" 1922
AUTO-LITE SYSTEM



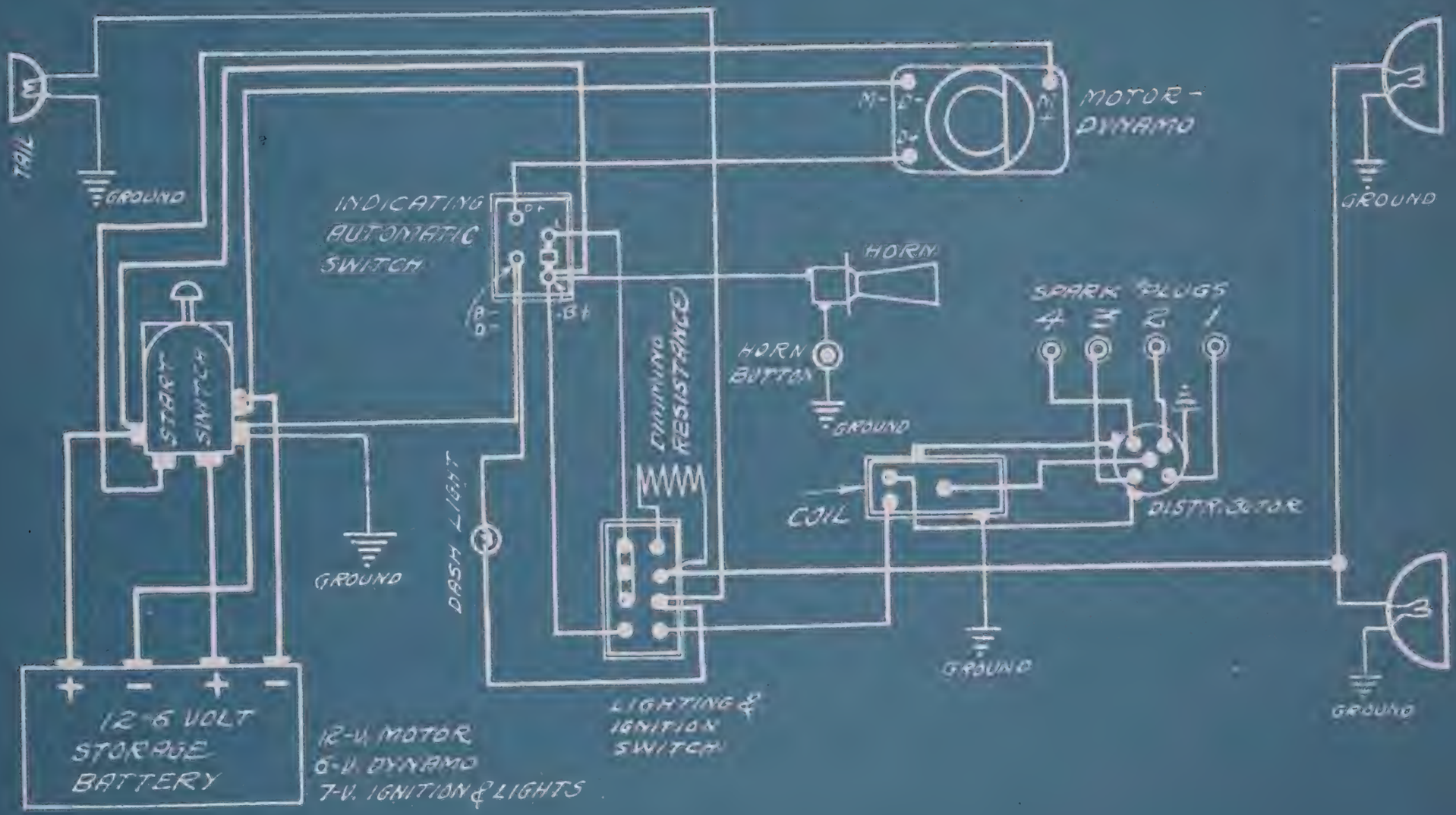
EARL "40" 1922

AUTO-LITE SYSTEM

CONNECTICUT IGN.

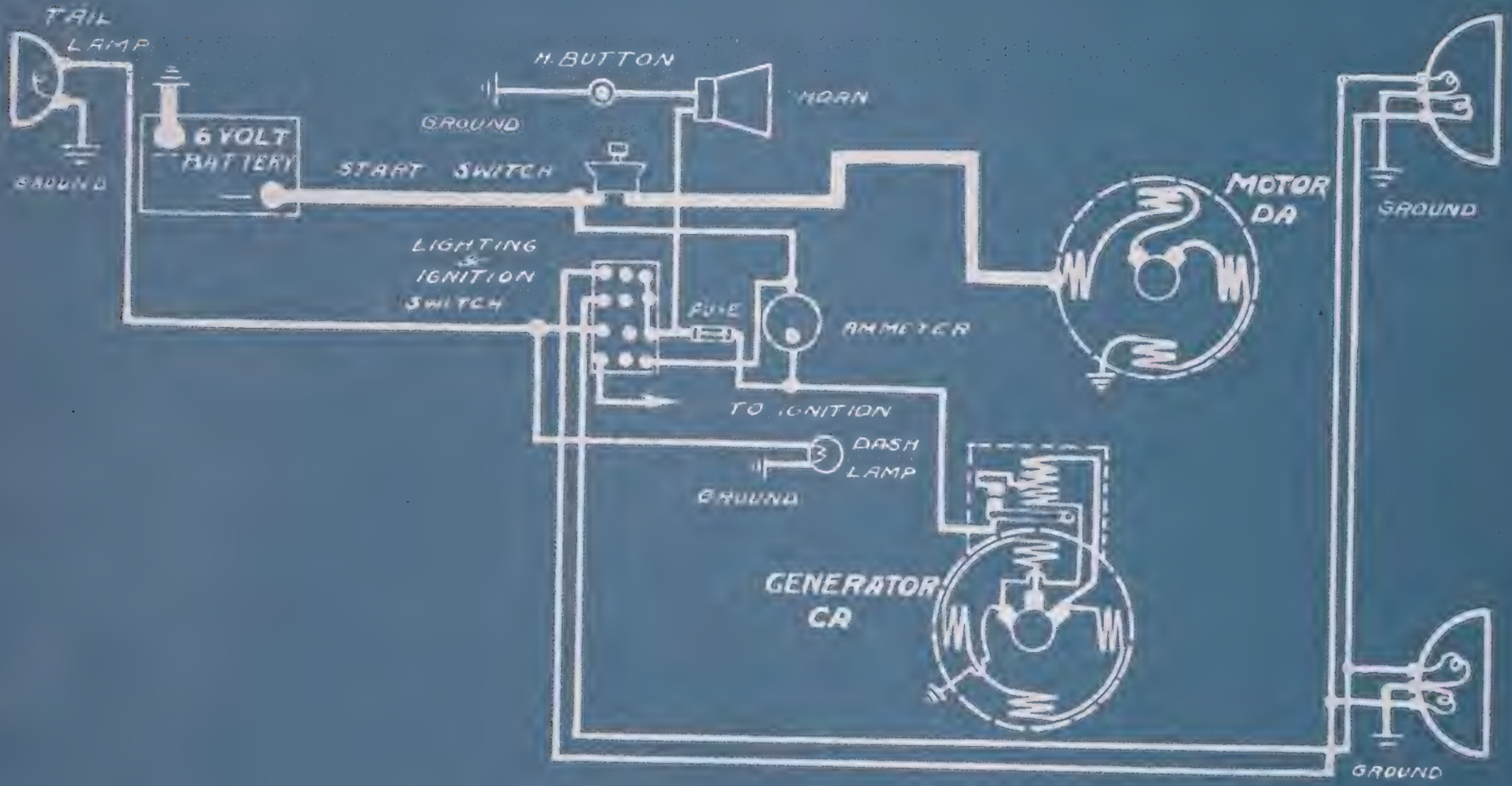


ELCAR 1916
SPLITDORF-APELCO SYSTEM



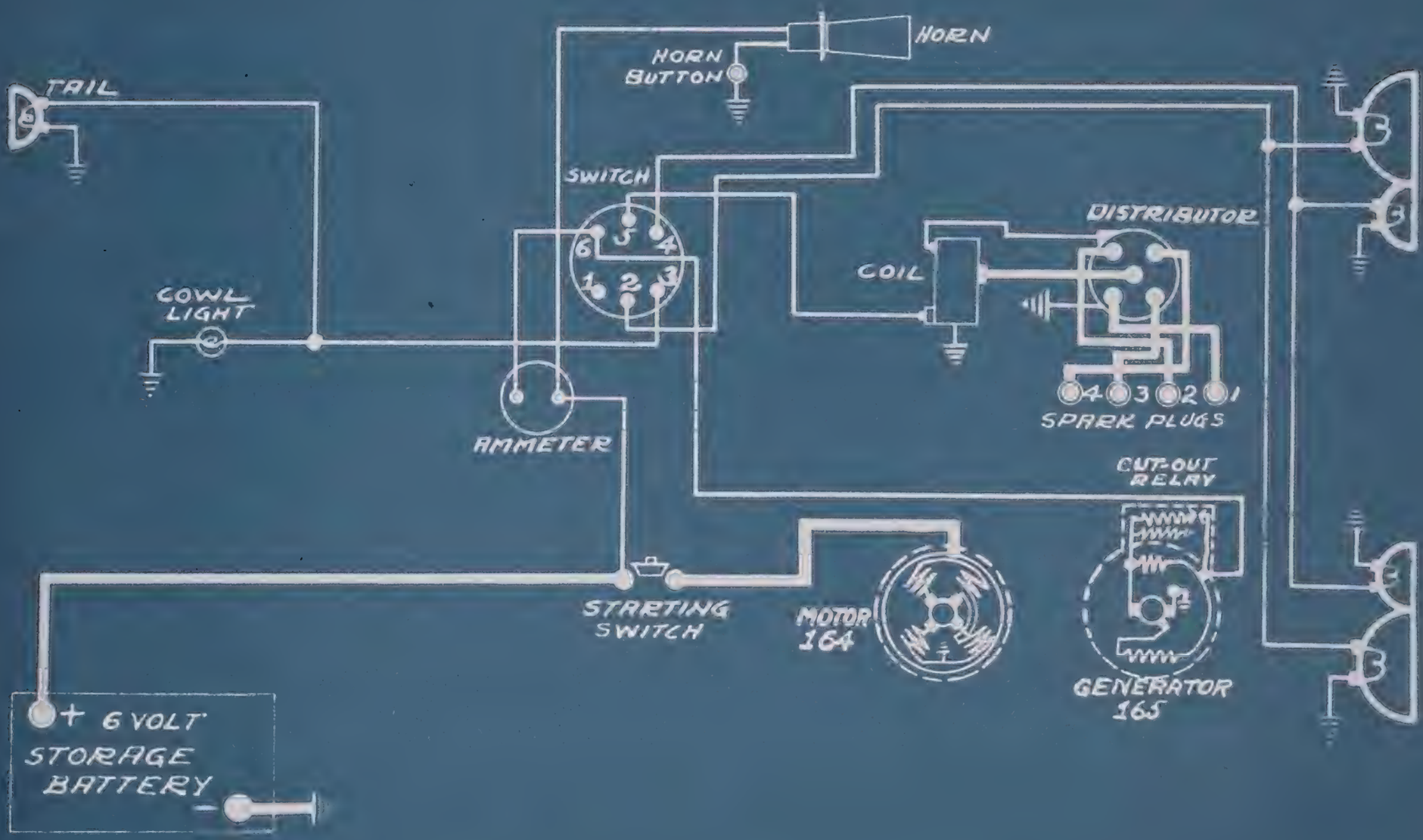
ELCAR MODELS - D-E-F &G 1917-1918-1919.

DYNETO SYSTEM



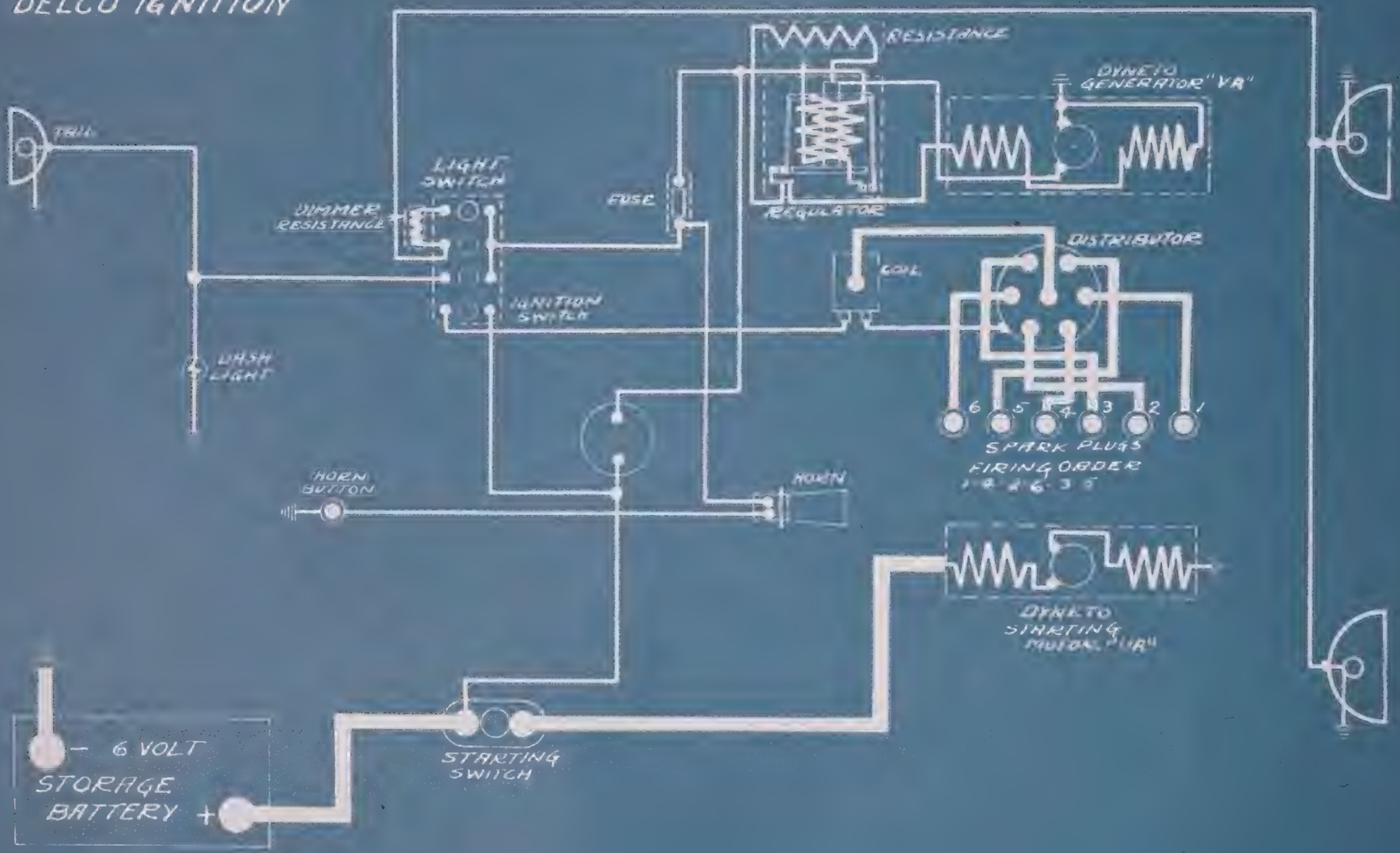
ELCAR "K-4" 1920-1921-4&6-1922

DELCO STARTING-LIGHTING AND IGNITION



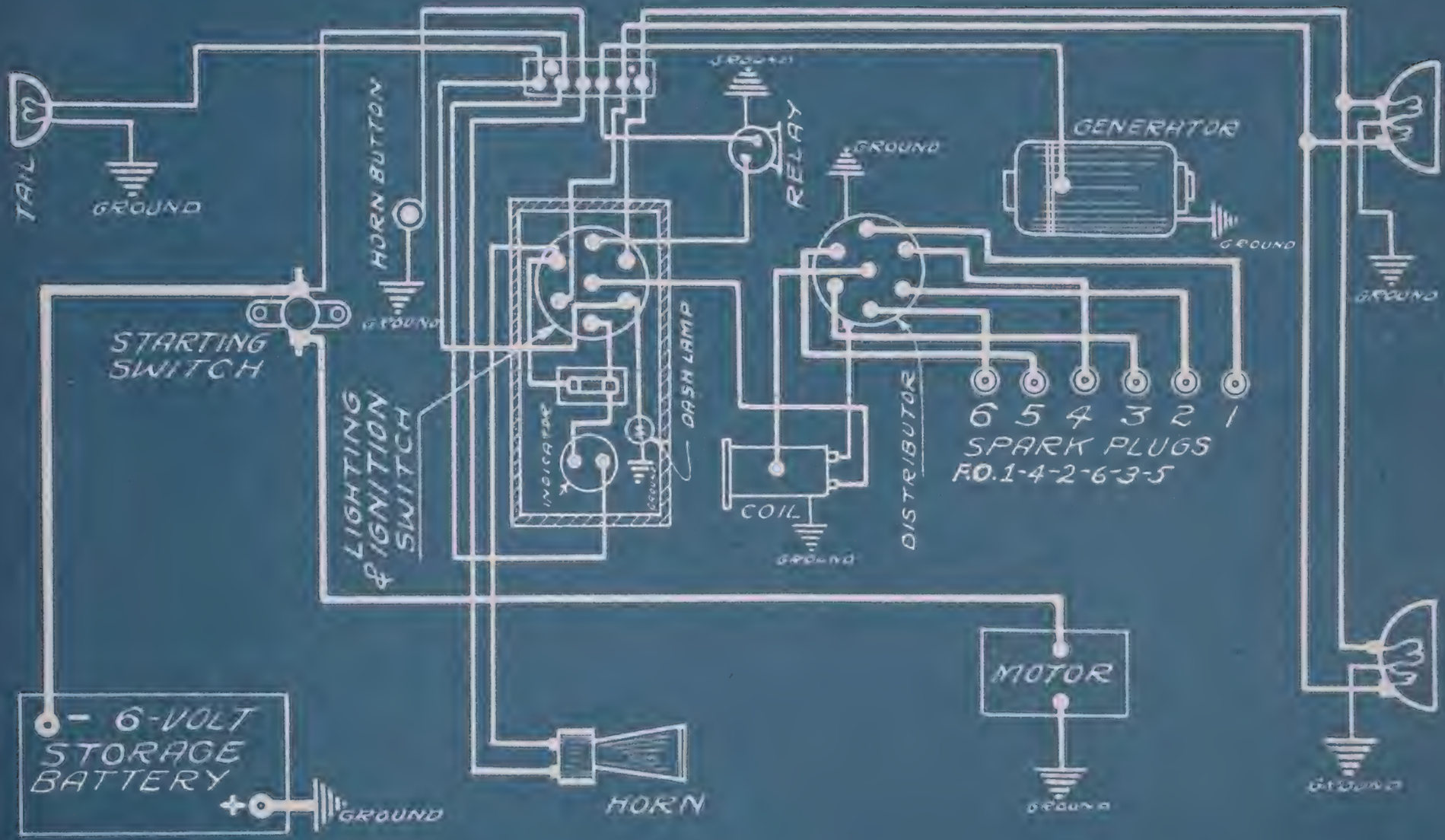
ELGIN "E-6" 1916

DYNETO SYSTEM
DELCO IGNITION



ELGIN 1917-1918 "6" 1919 "H"

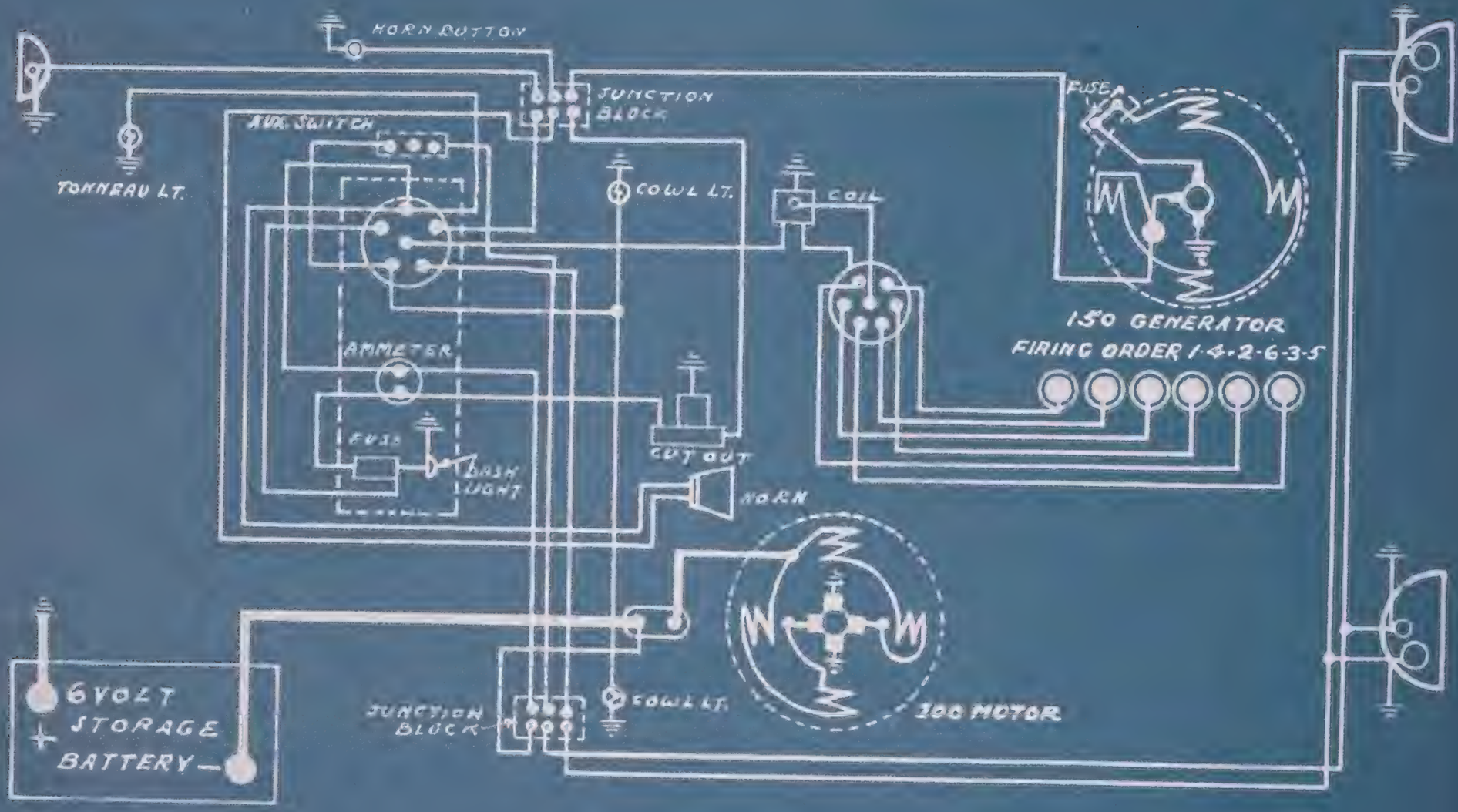
WAGNER STARTING & LIGHTING SYSTEM
REMY IGNITION SYSTEM



ELGIN "K" 1920 "K-1" 1921-1922

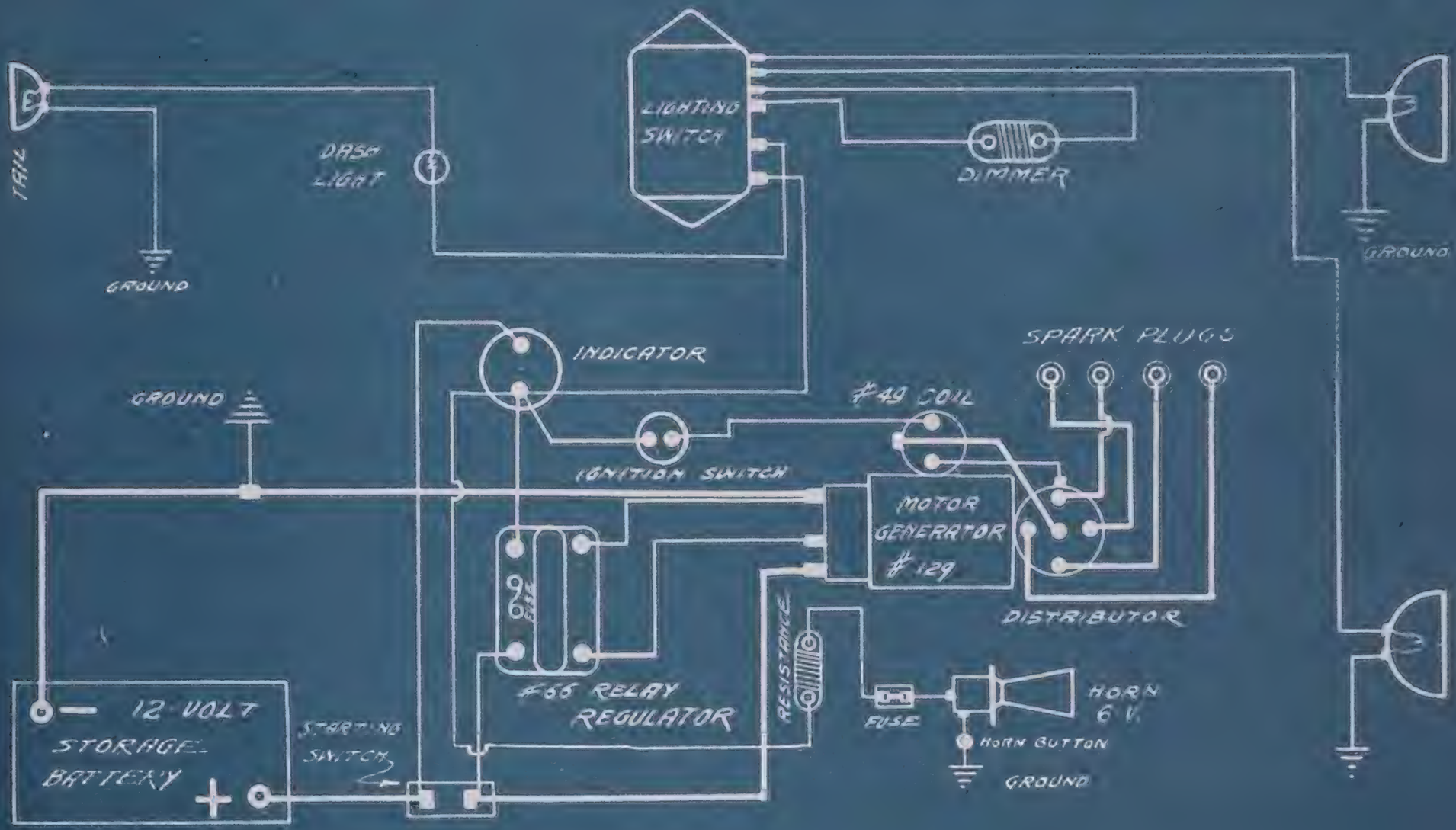
WESTINGHOUSE SYSTEM

WAGNER IGNITION

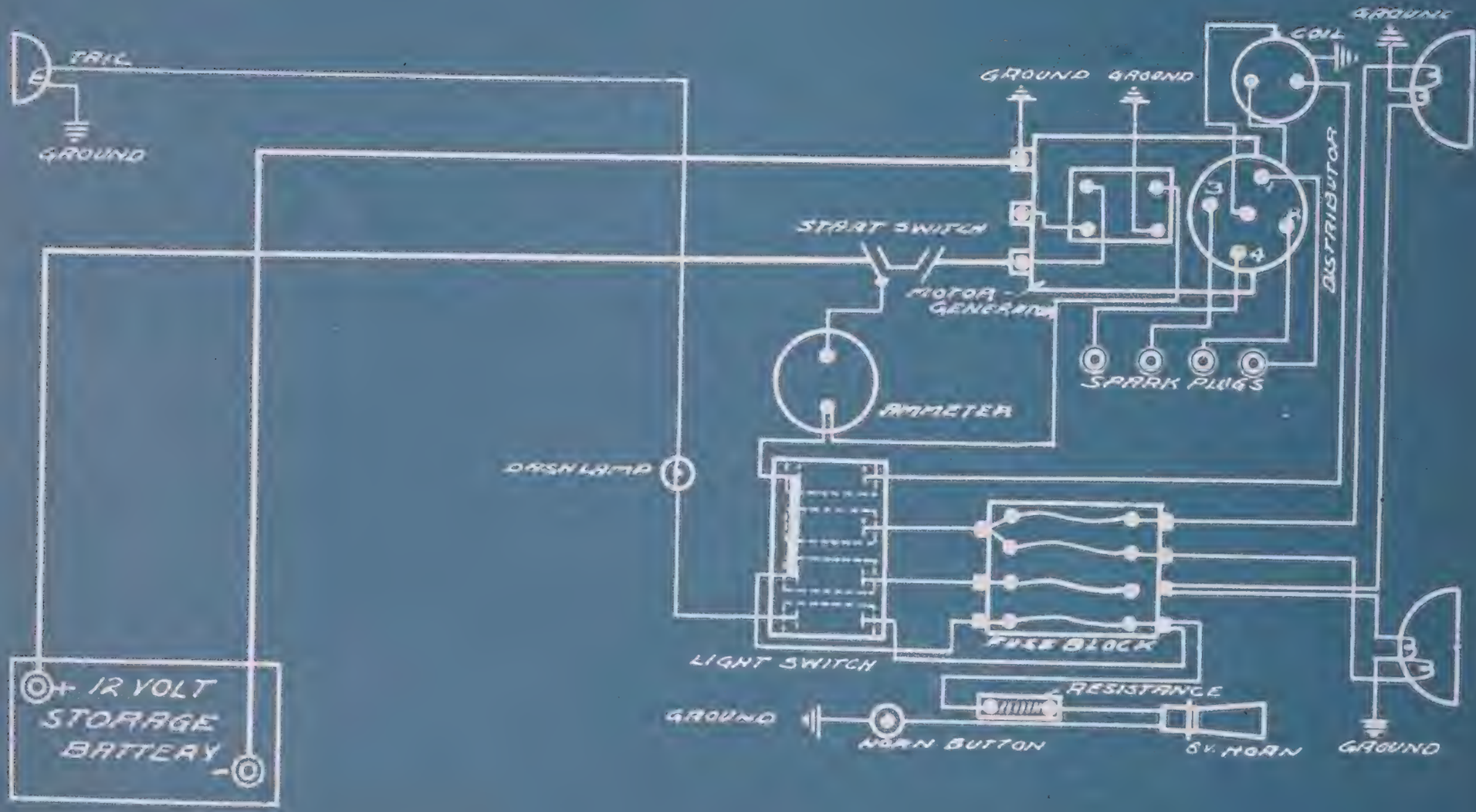


EMPIRE 1915 MODEL 31-40

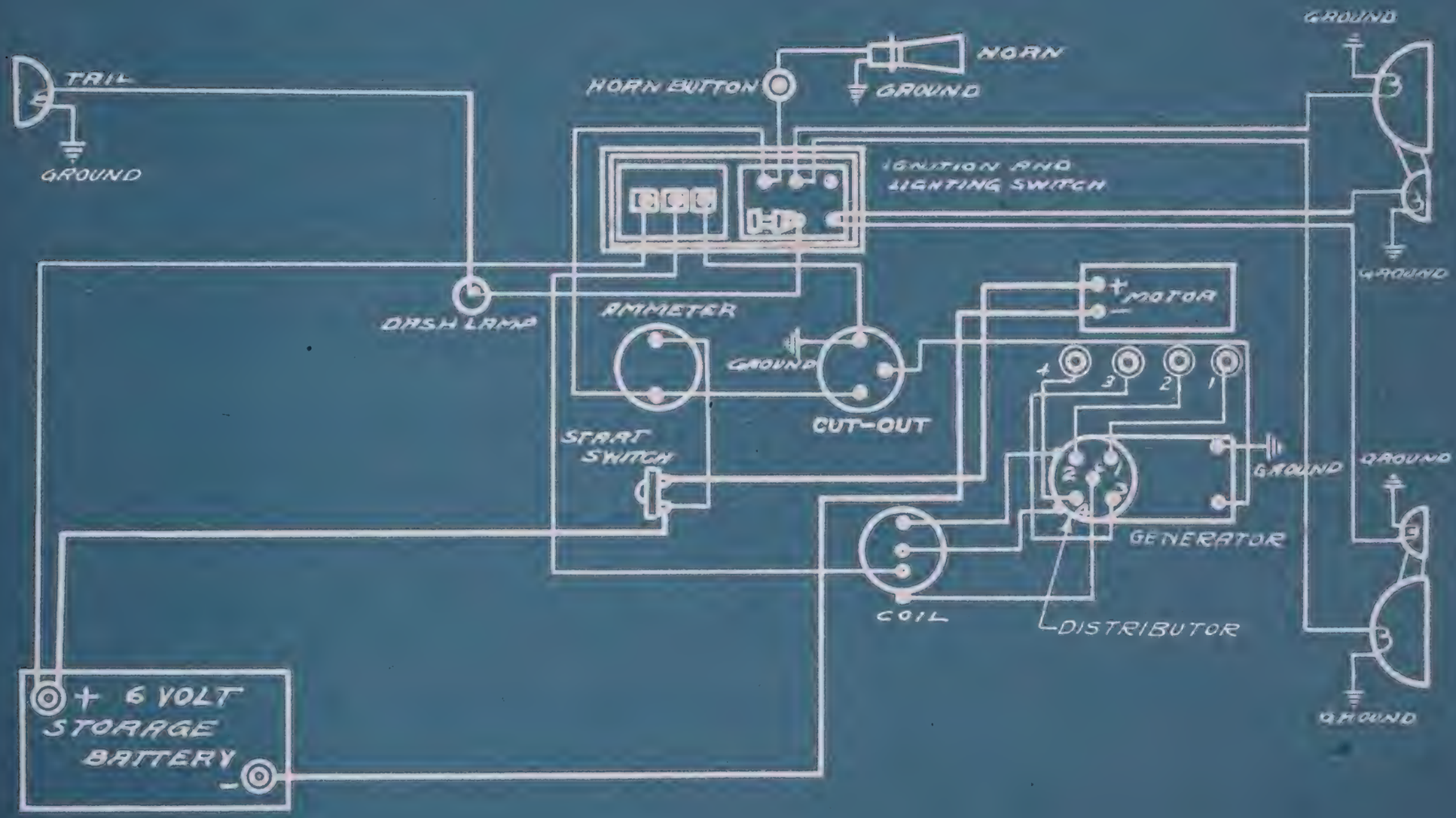
REMY SYSTEM (SEPARATE LIGHTING & IGNITION SWITCH)



EMPIRE 1915-16 "33"
REMY SYSTEM

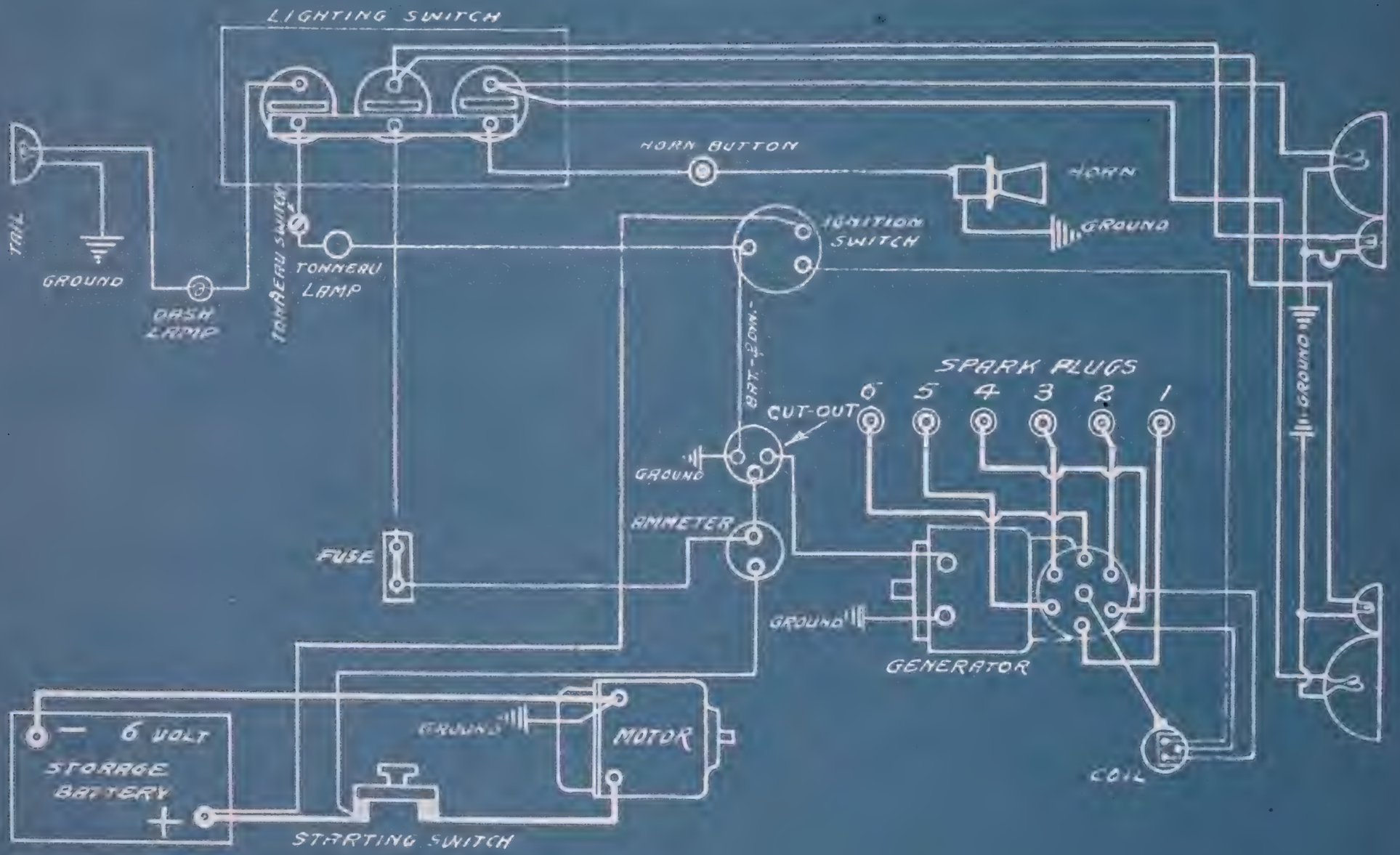


EMPIRE 1916 "40-45"
AUTOLITE SYSTEM



EMPIRE 1916 MODEL 60

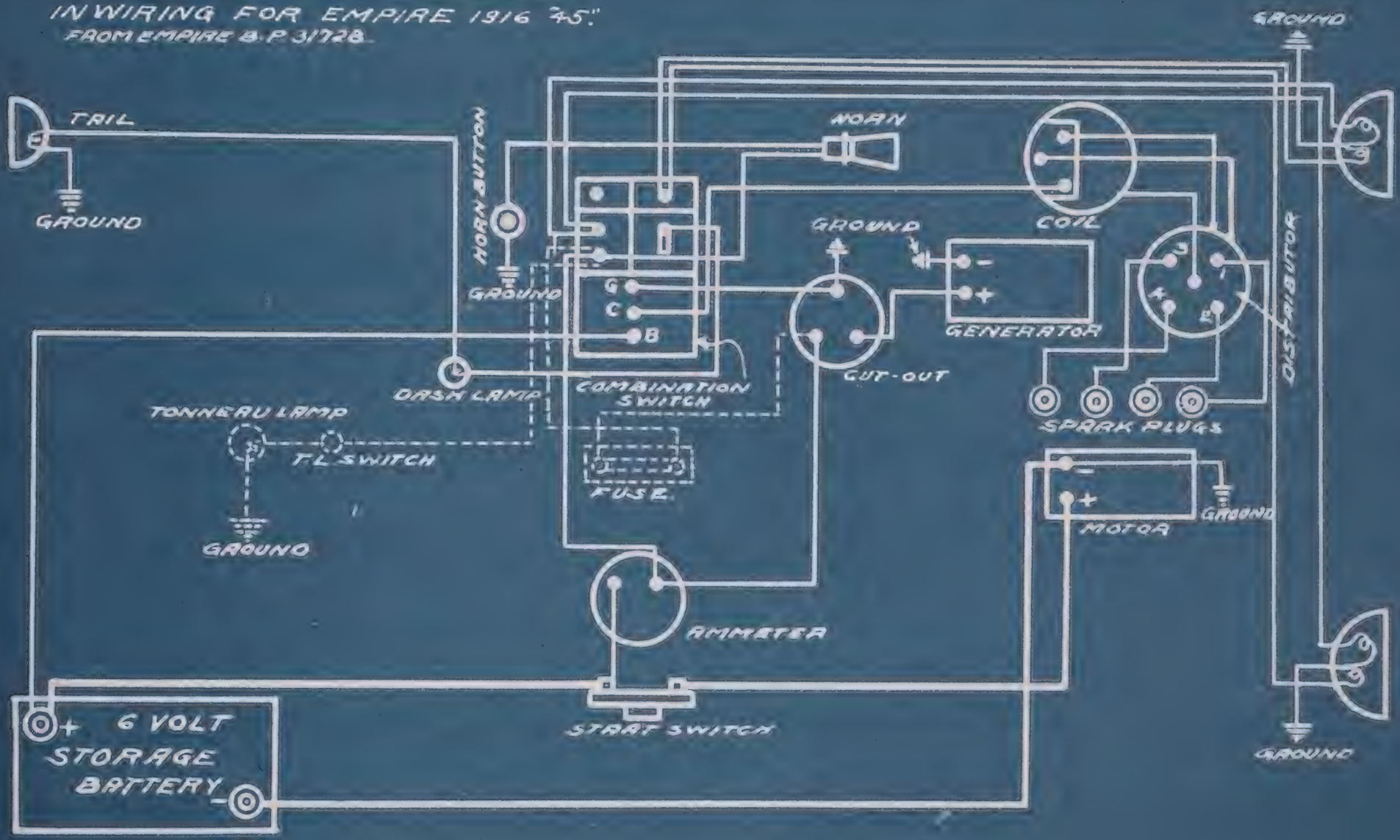
AUTOLITE SYSTEM



EMPIRE 1916-17-18 45 & 51

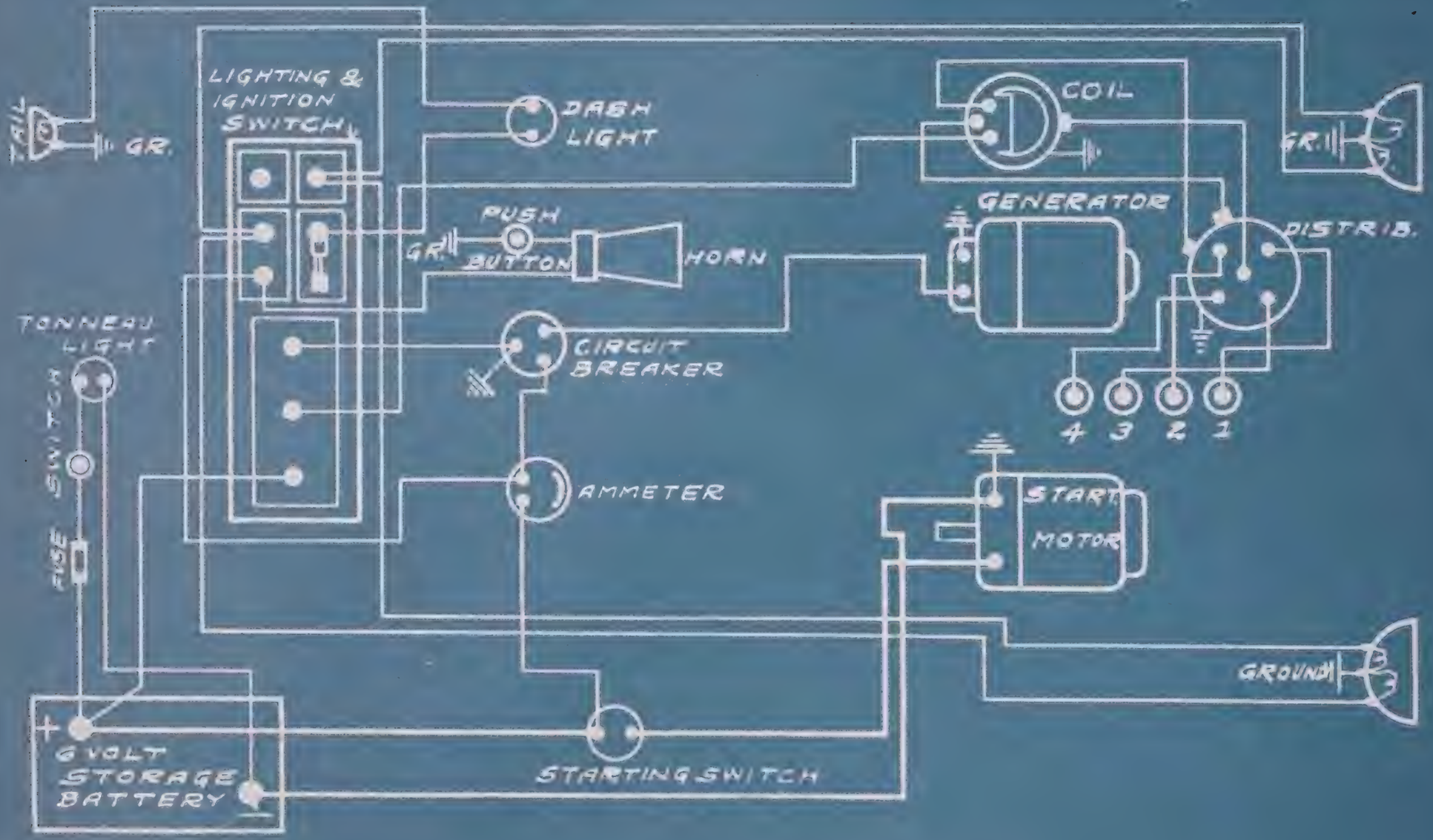
AUTOLITE SYSTEM

DOTTED LINES INDICATE CHANGES IN WIRING FOR EMPIRE 1916 "45".
FROM EMPIRE B.P. 31728

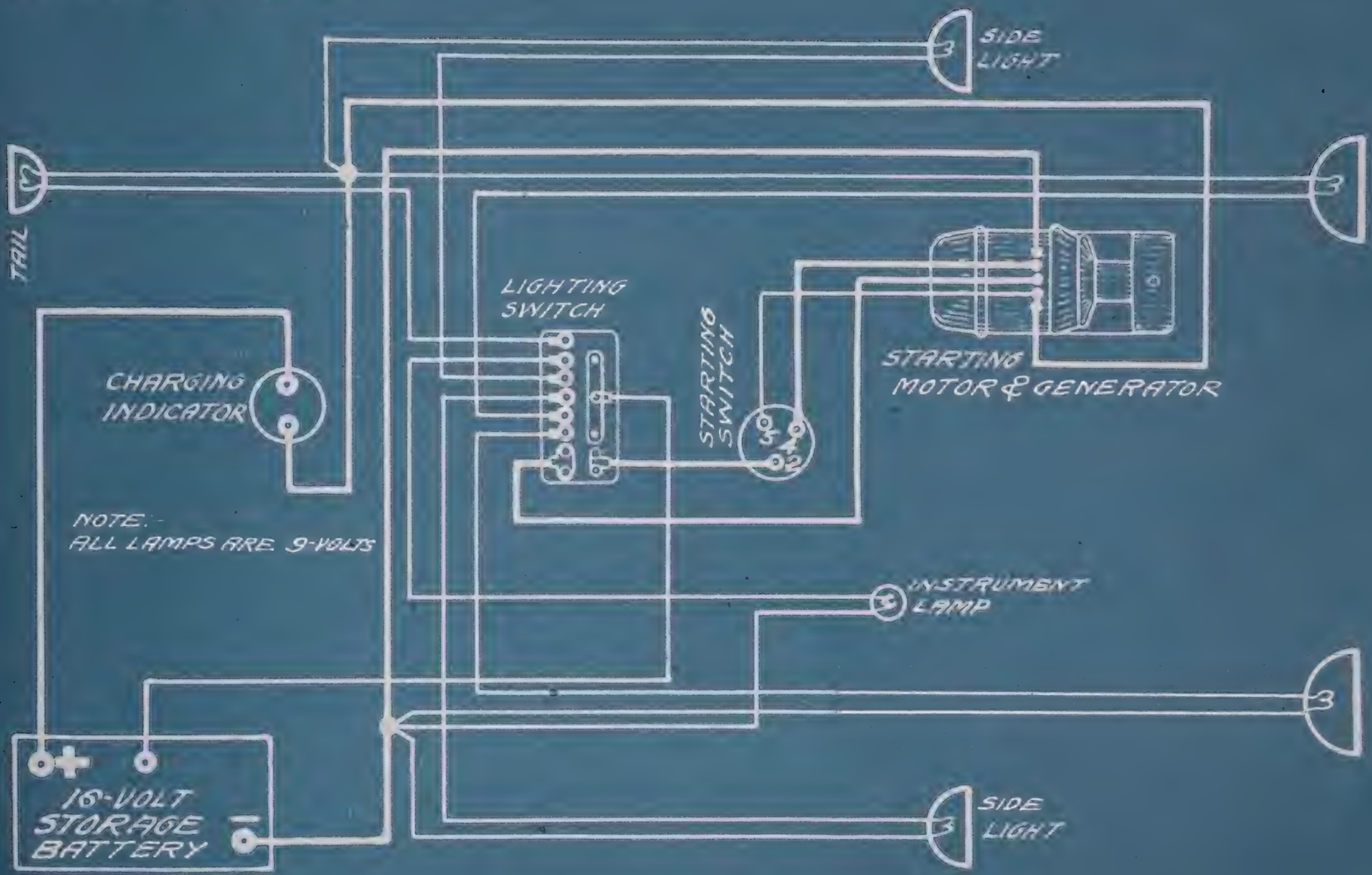


EMPIRE 1917-18-50-70-70A- 1919

AUTOLITE SYSTEM - CONN. IGN.



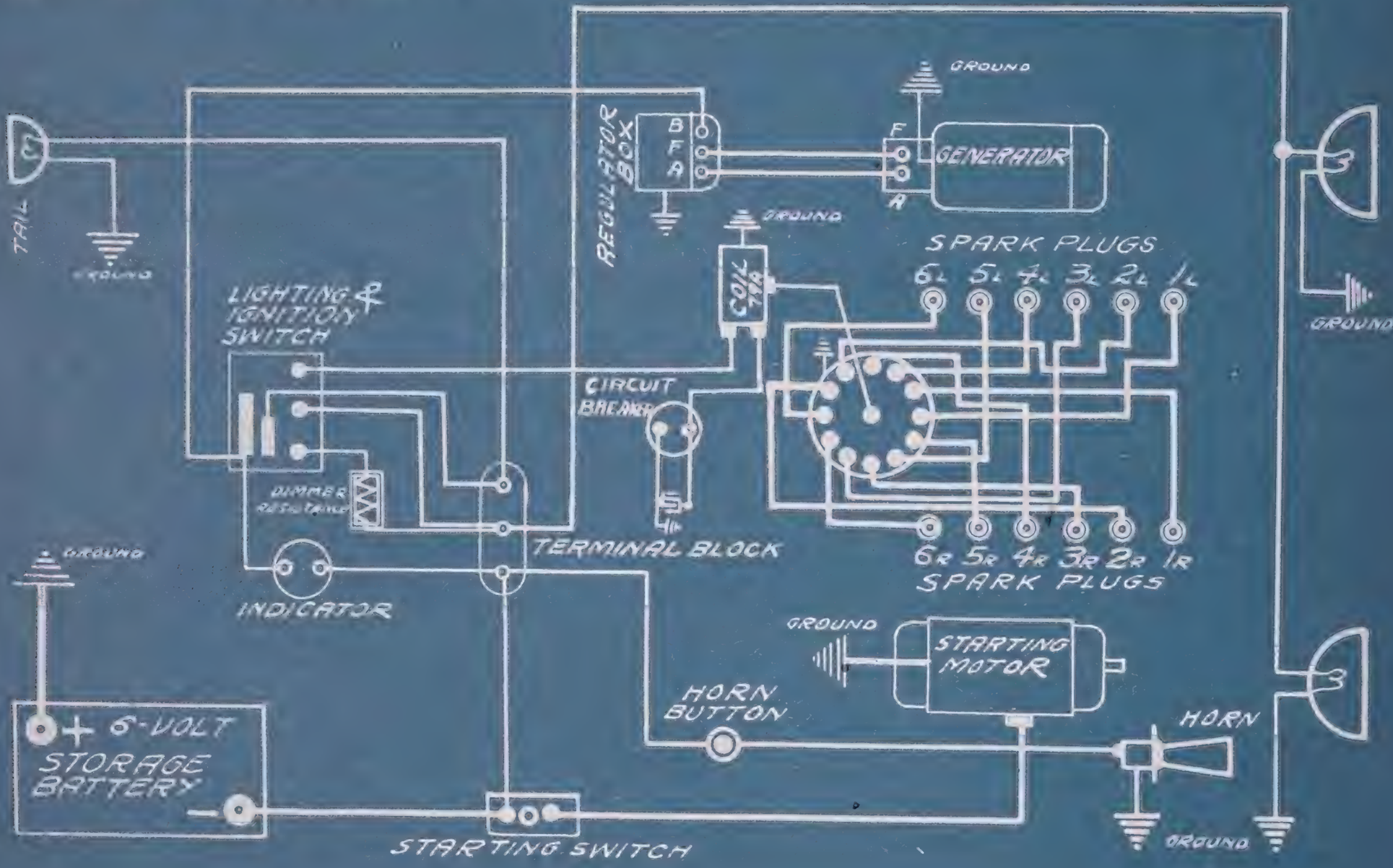
ENGER 1914
NORTH EAST SYSTEM



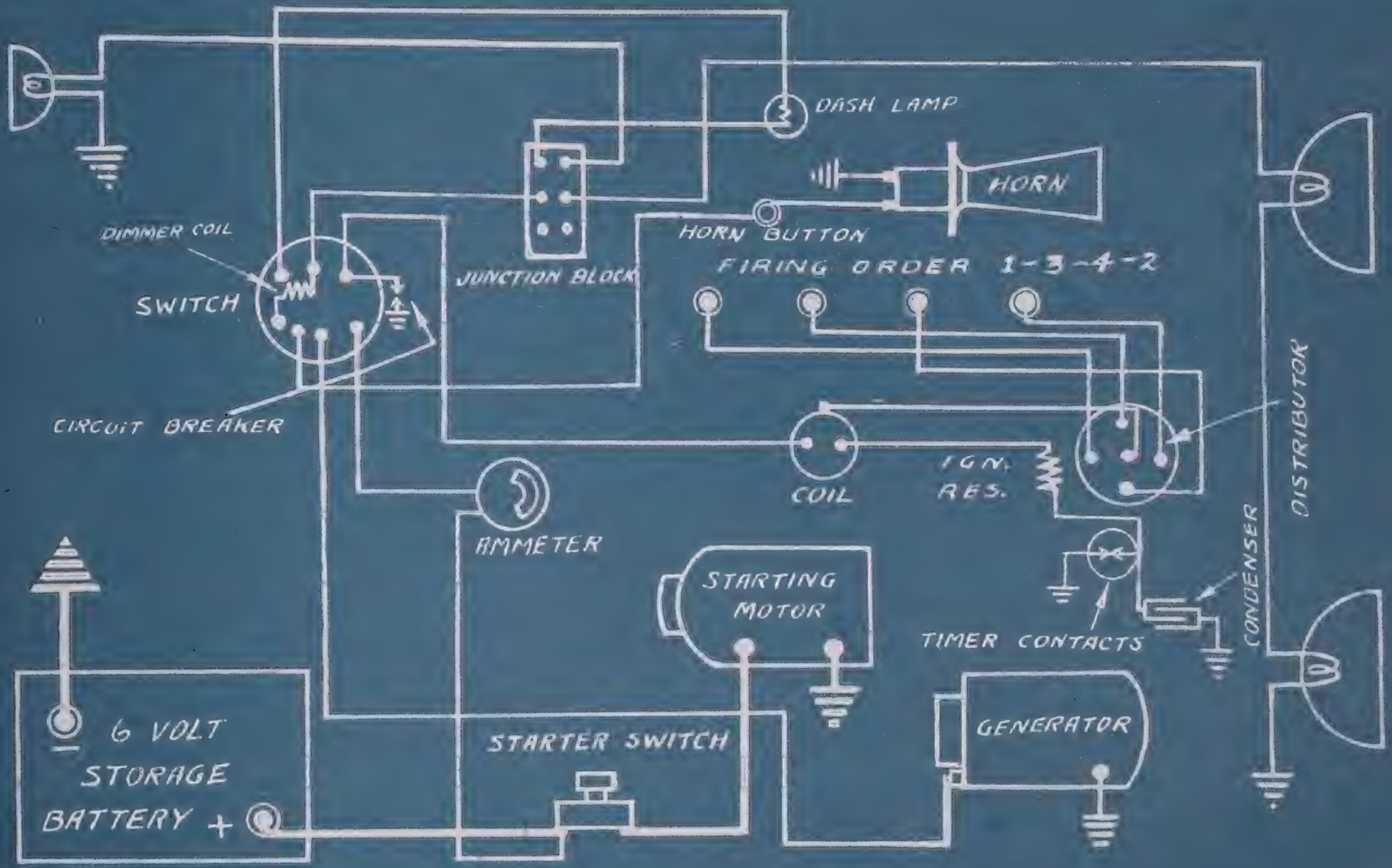
ENGER 1916-7 TWIN-UNIT TWELVE

WESTINGHOUSE STARTING & LIGHTING SYSTEM

REMY IGNITION SYSTEM

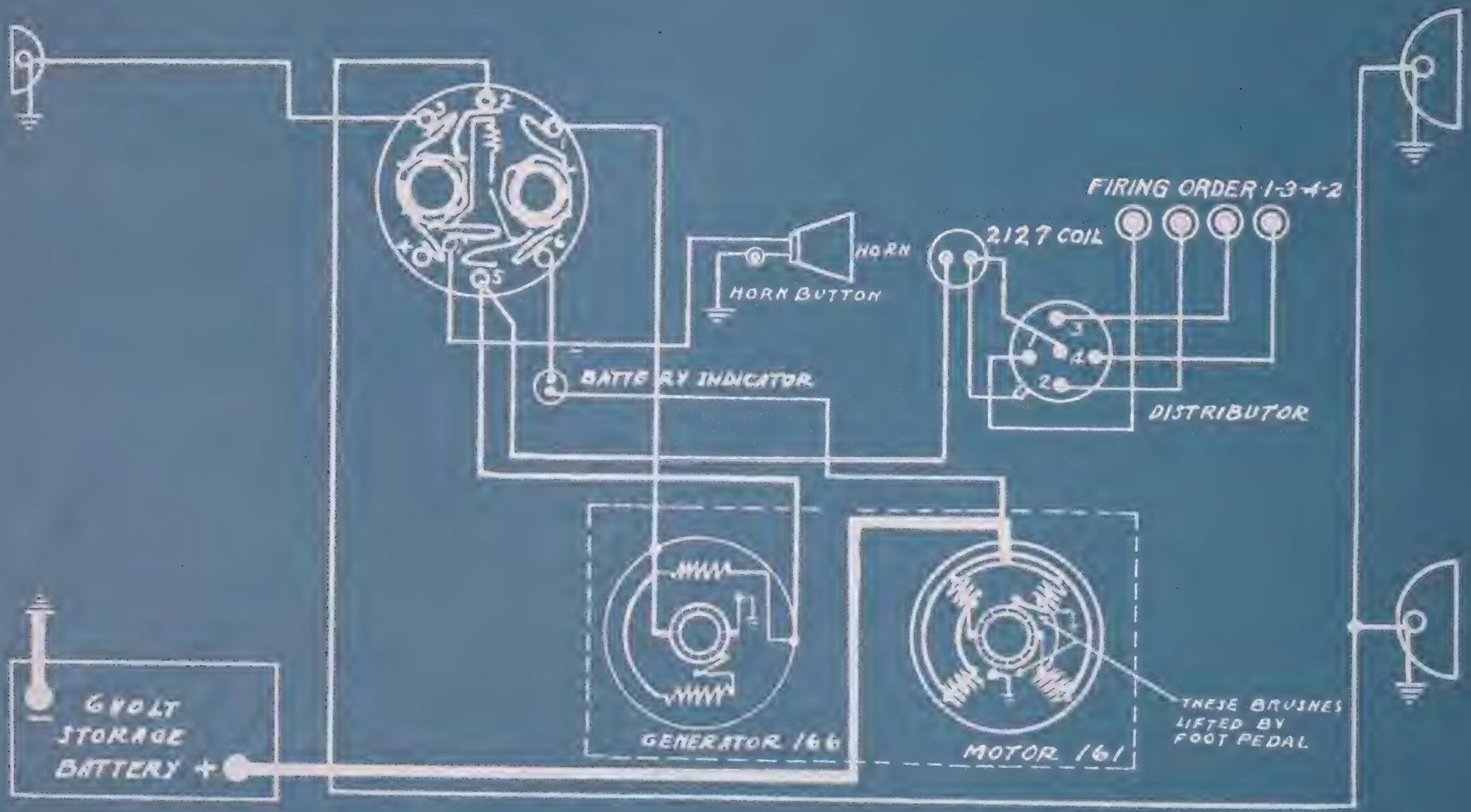


ESSEX 1919
DELCO SYSTEM

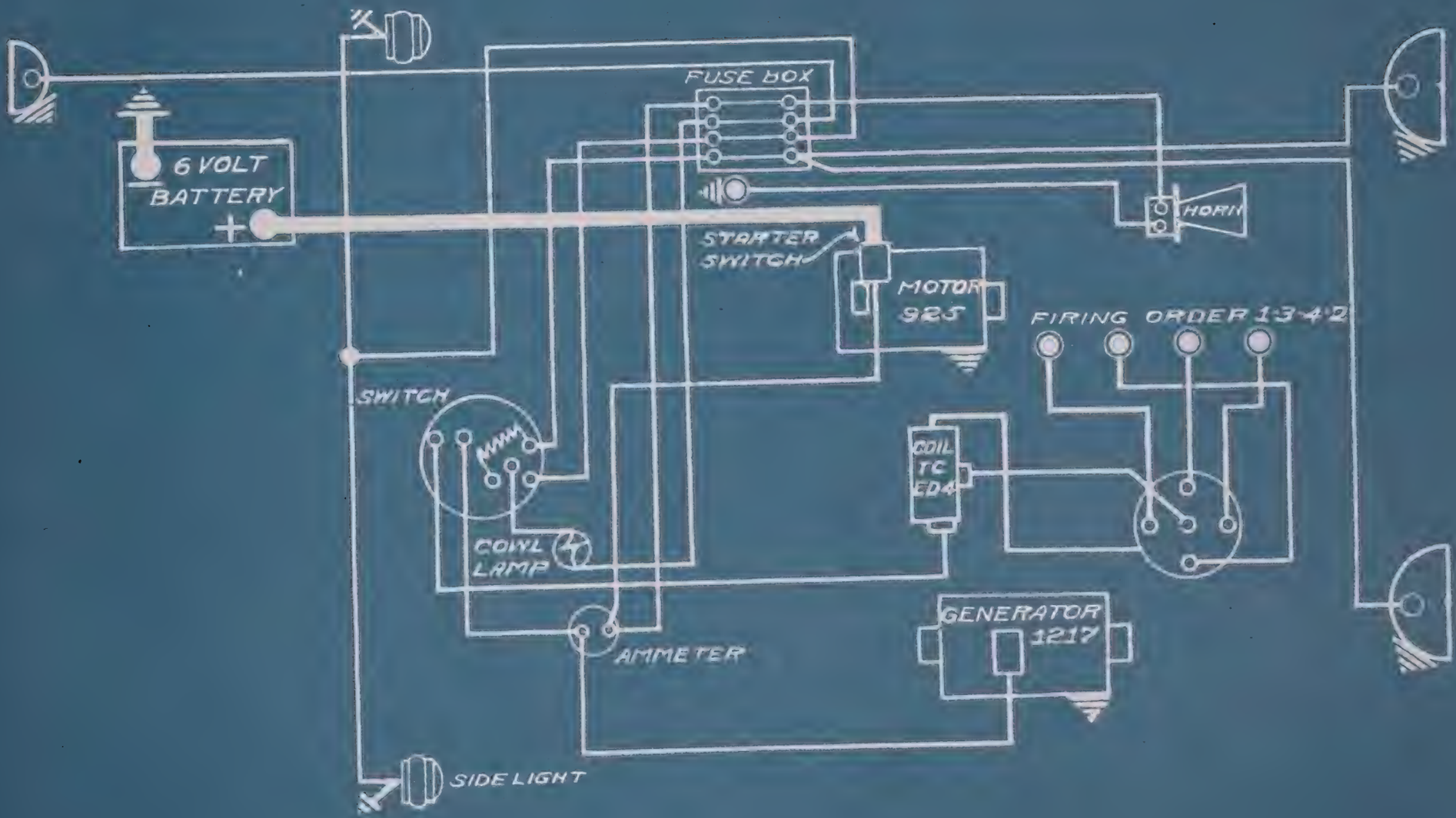


ESSEX "A" 1920-1921

DELCO SYSTEM

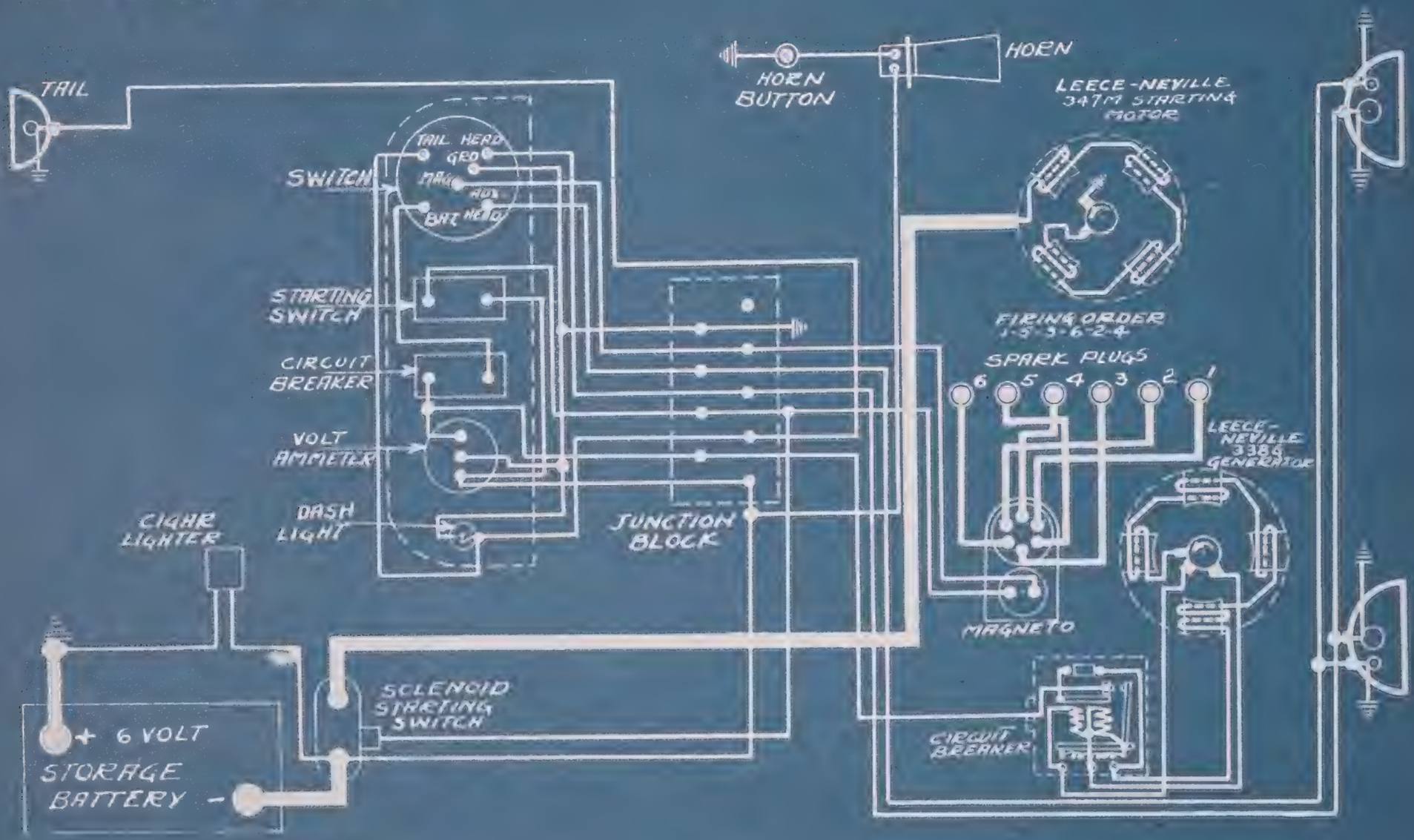


ESSEX 1922
BOSCH SYSTEM

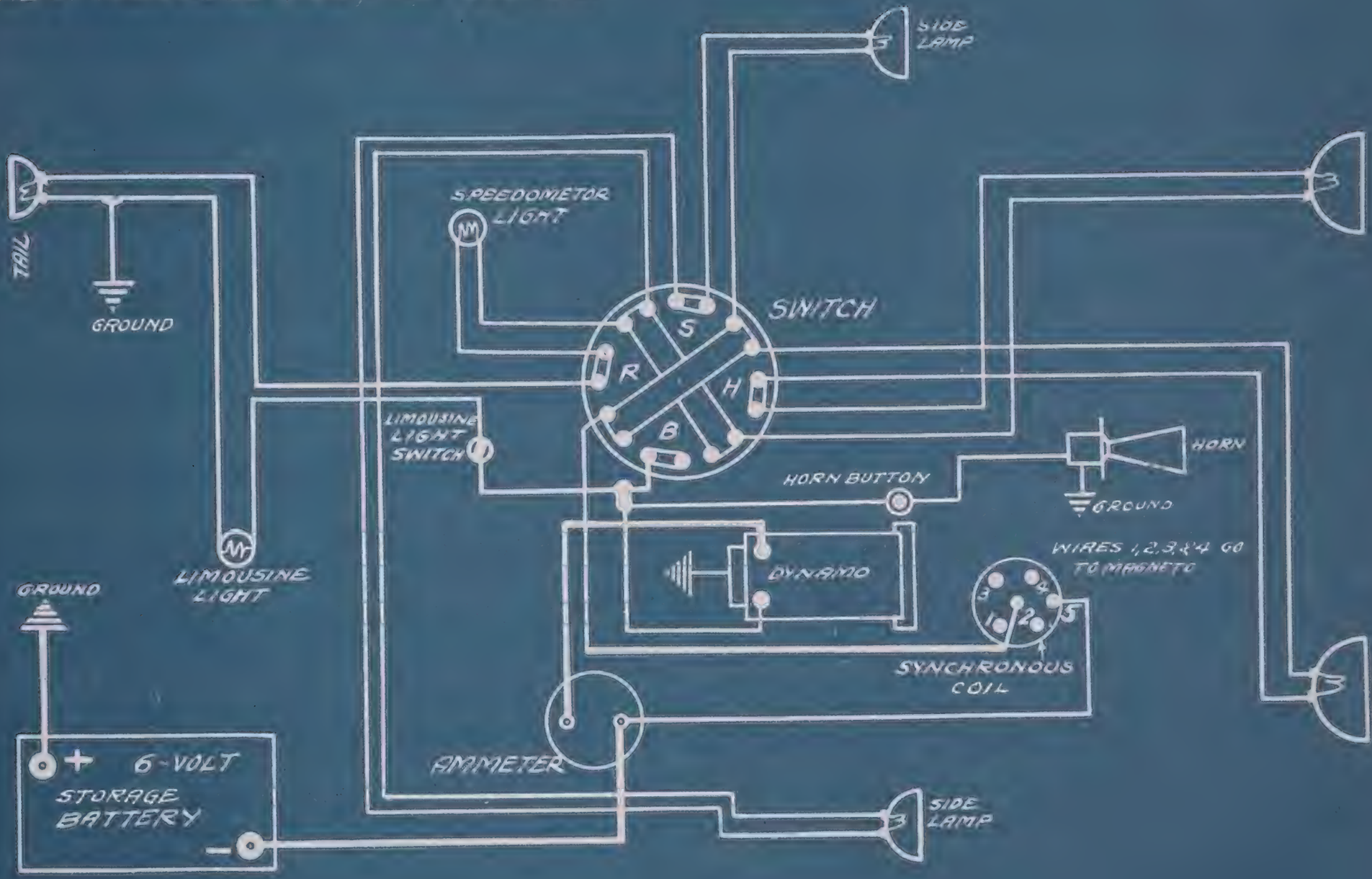


FERRIS 1919-20-21

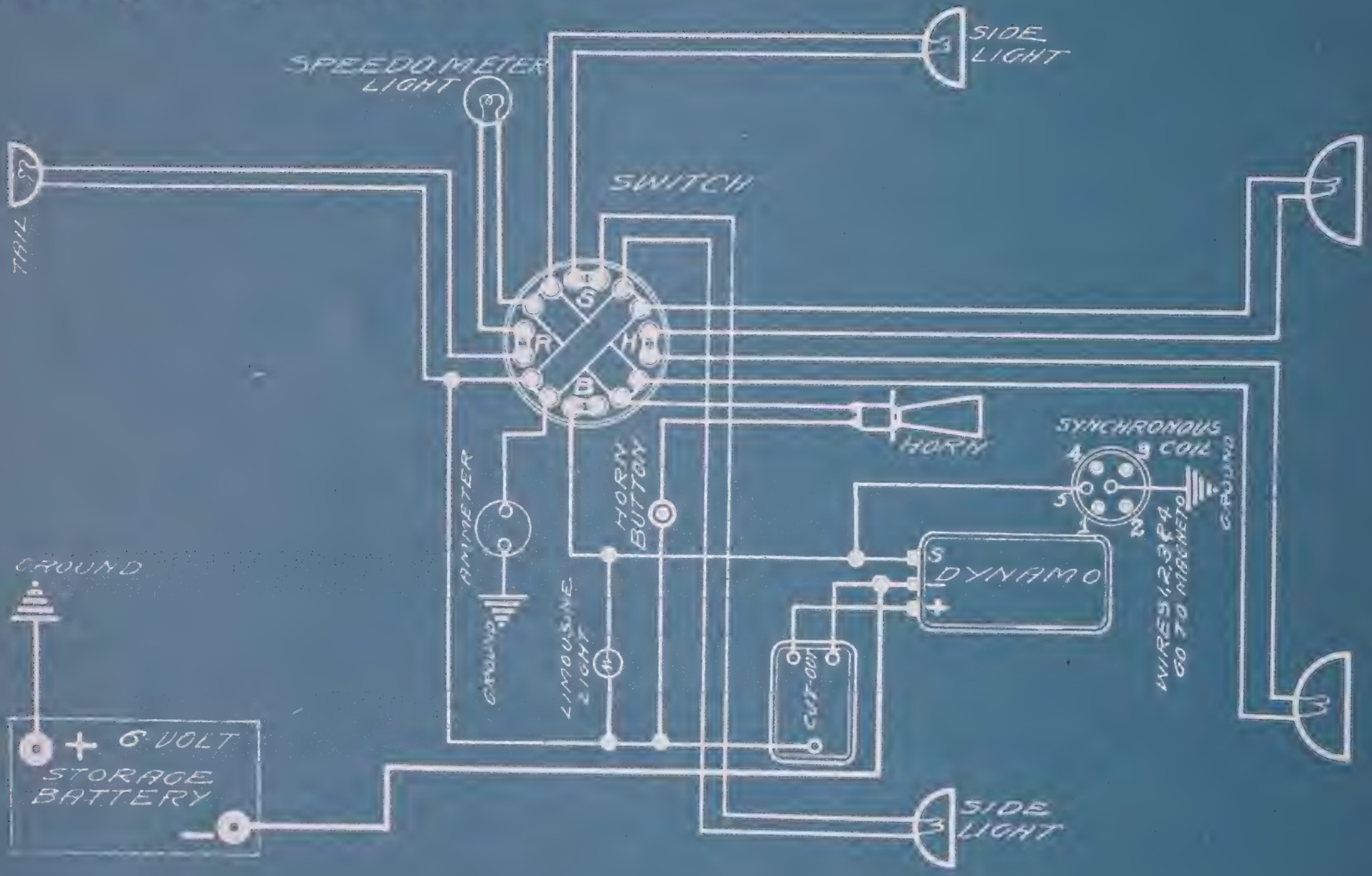
LEECE-NEVILLE STG. & LTG.
SPLITDORF IGNITION



F·I·A·T 1914
WESTINGHOUSE LIGHTING SYSTEM

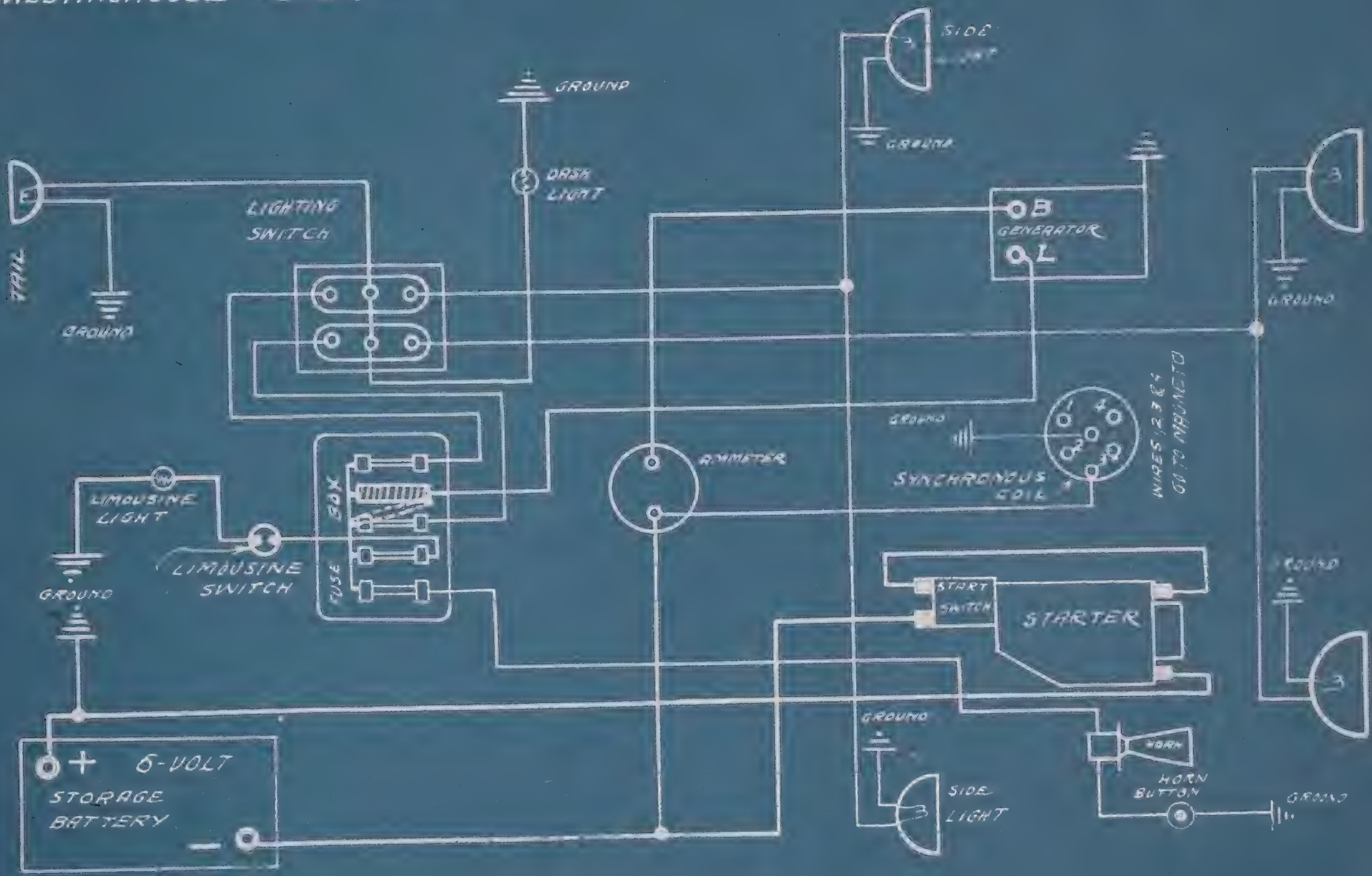


F-I-A-T 1914
GRAY & DAVIS SYSTEM

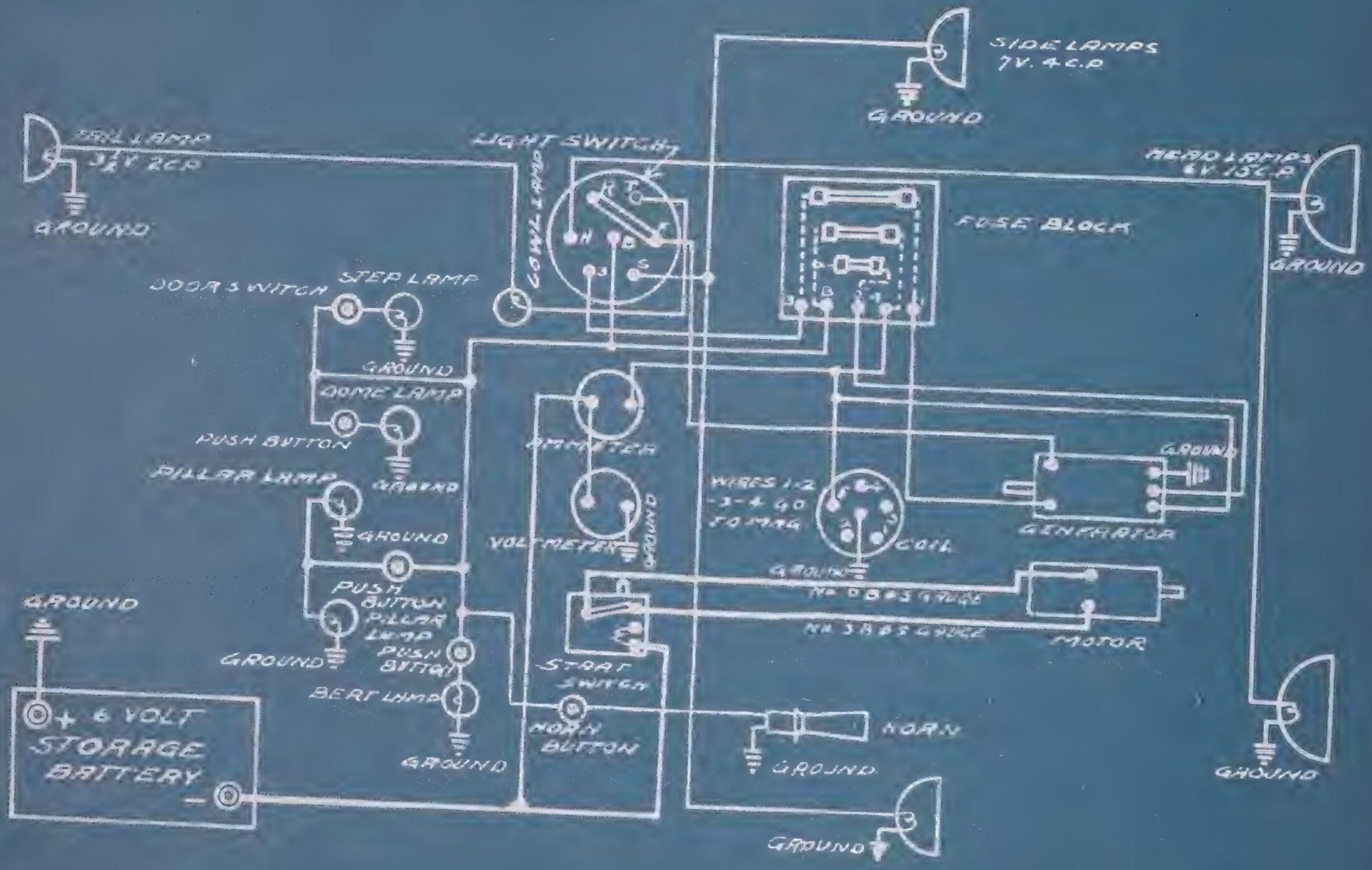


F-I-A-T 1914-1915

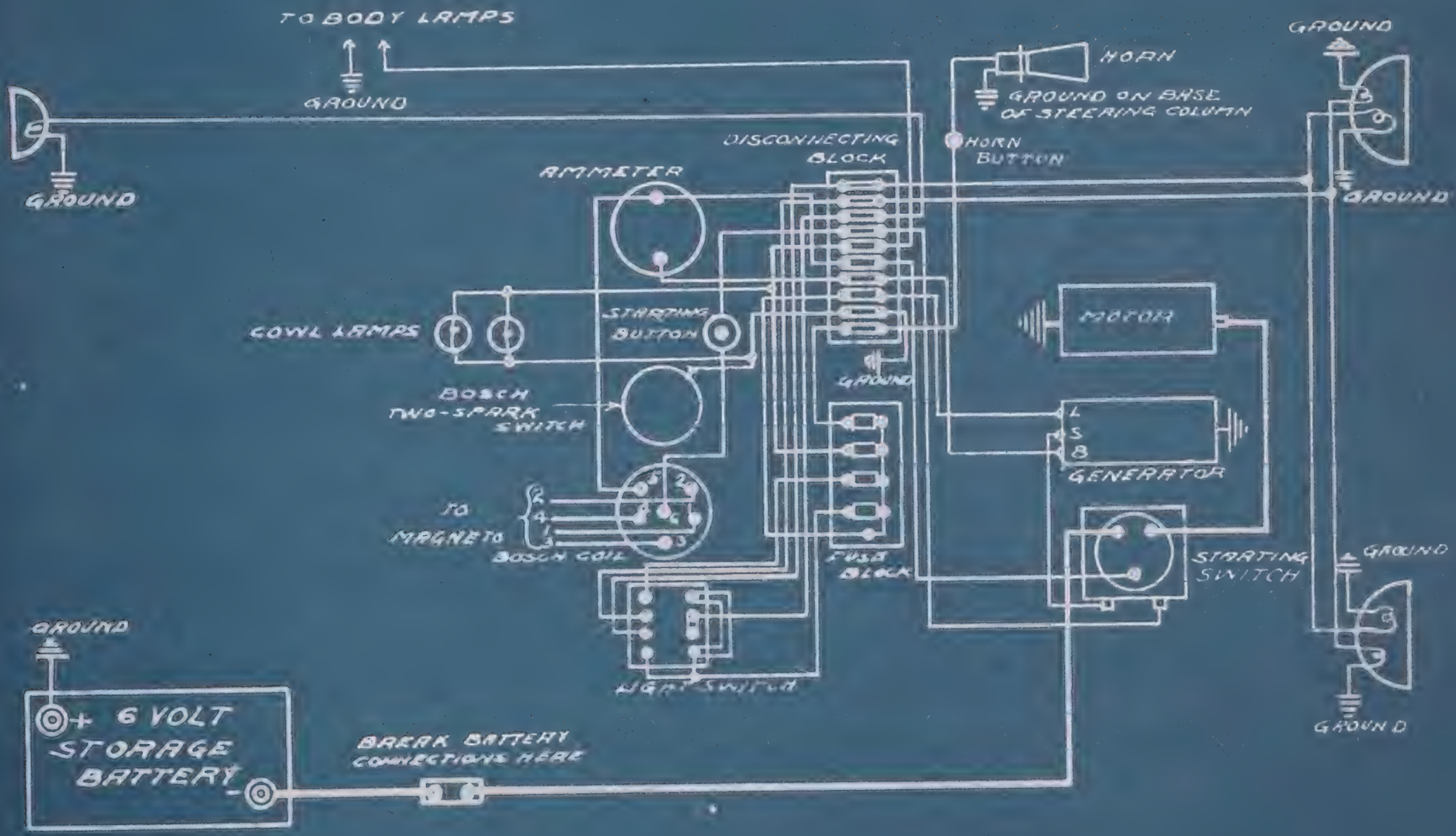
WESTINGHOUSE SYSTEM



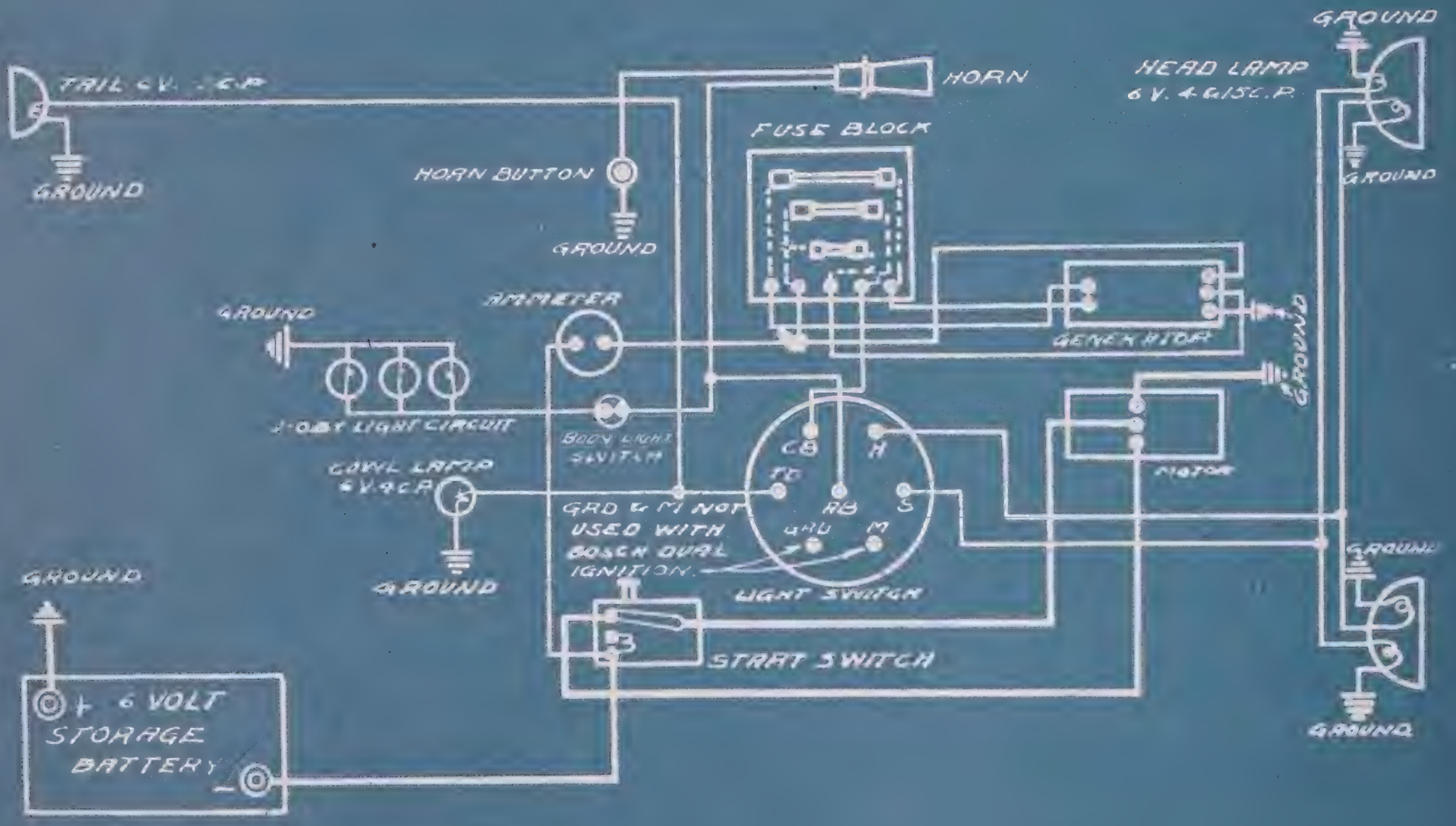
F·I·A·T 1915
RUSHMORE SINGLE WIRE SYSTEM



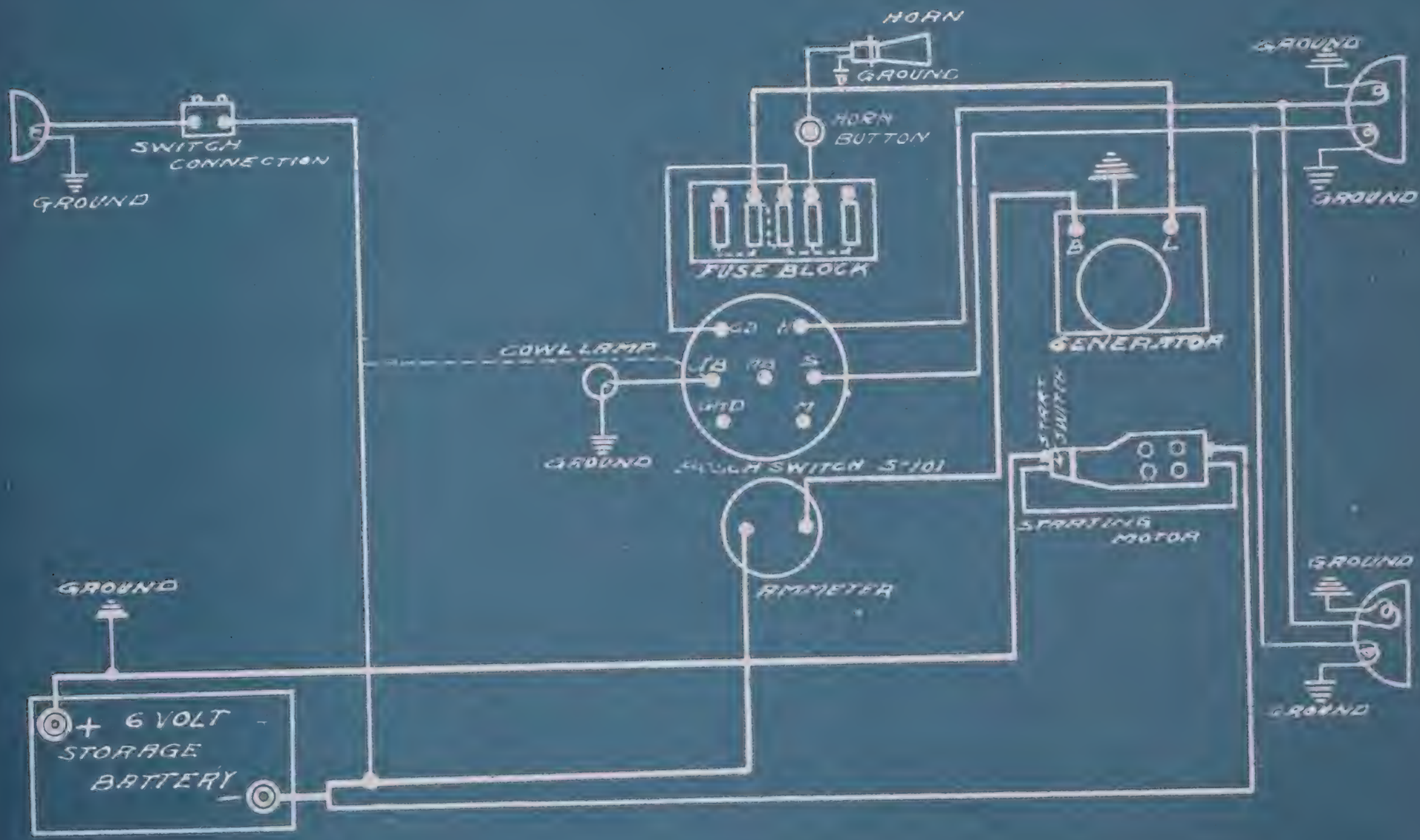
F·I·A·T. 1916-17 E-17 CHASSIS
WESTINGHOUSE SYSTEM



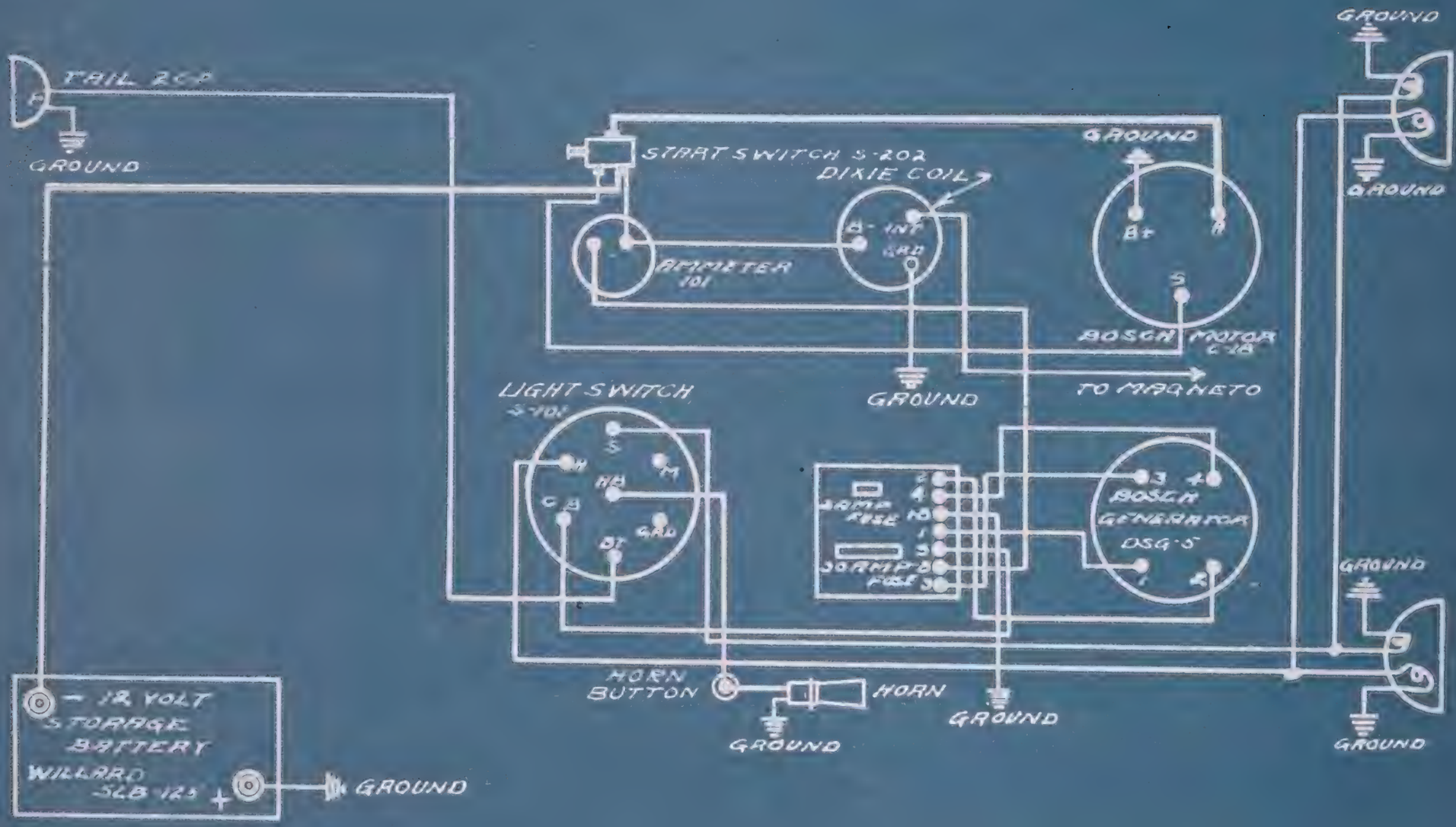
F·I·A·T 1917
BOSCH-RUSHMORE SYSTEM



F·I·A·T 1917
WESTINGHOUSE SYSTEM

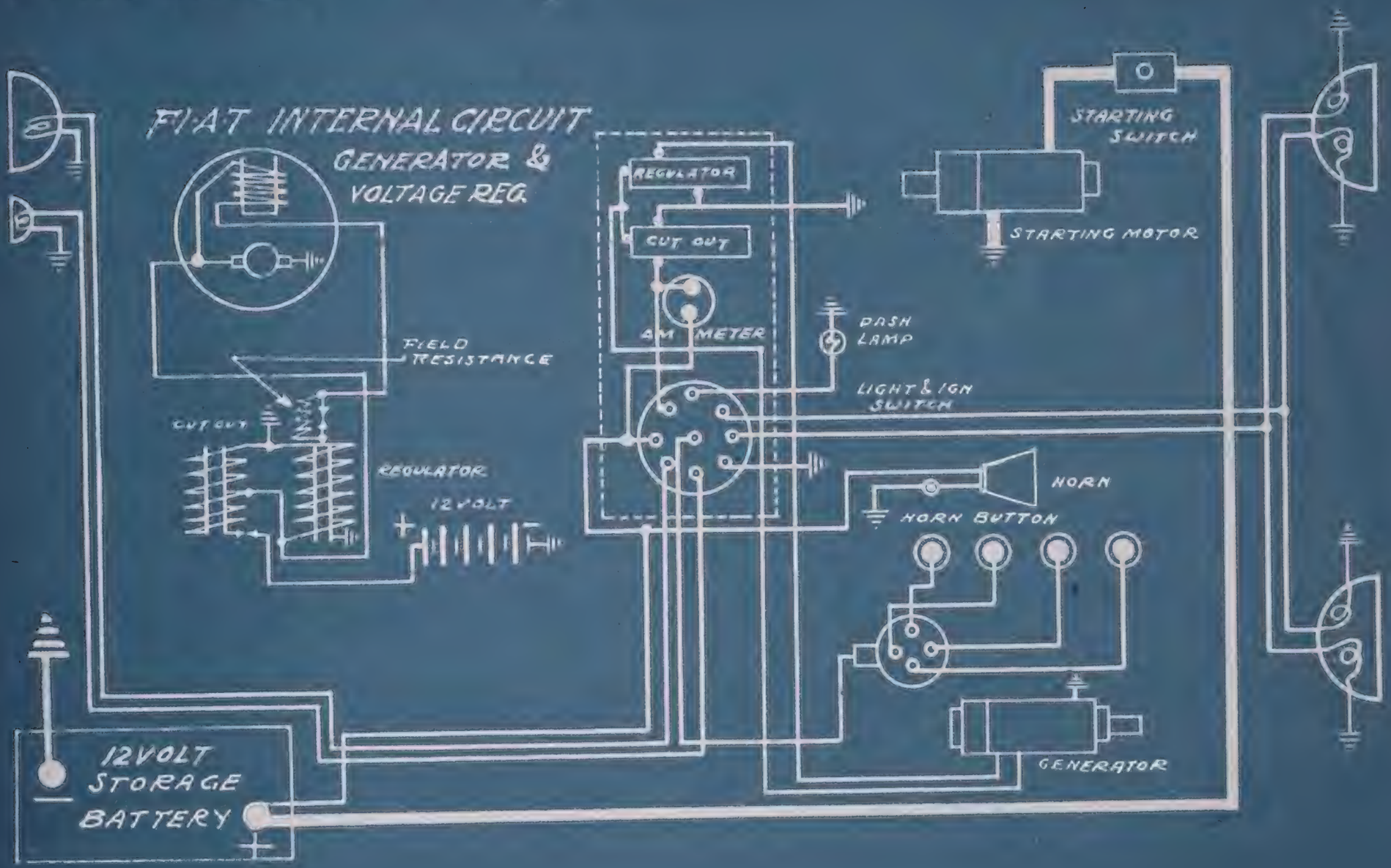


F·I·A·T 1917 C-3 CHASSIS
BOSCH SYSTEM



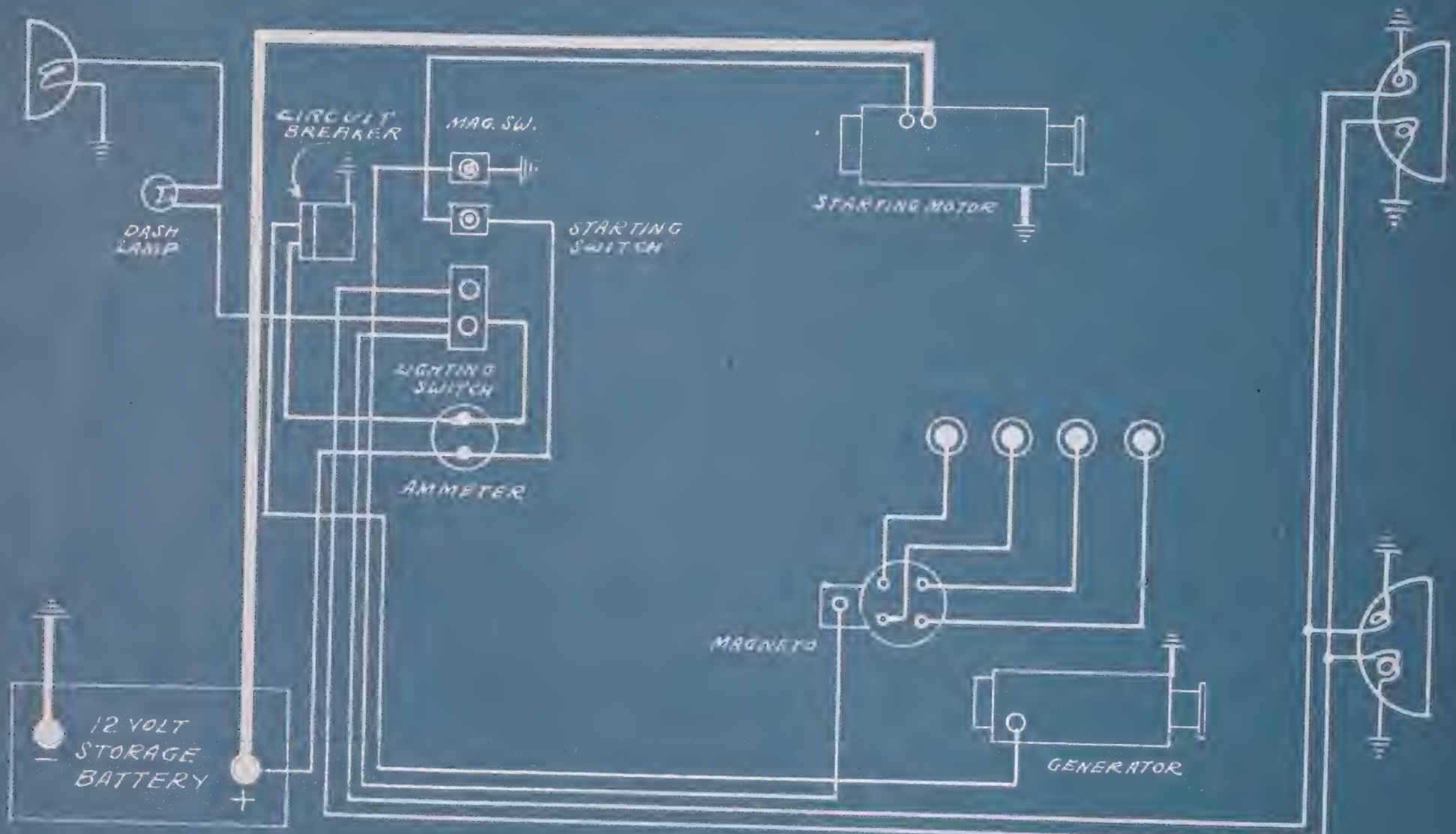
F-I-A-T "2-3A" 1918-9-20-21

F-I-A-T SYSTEM

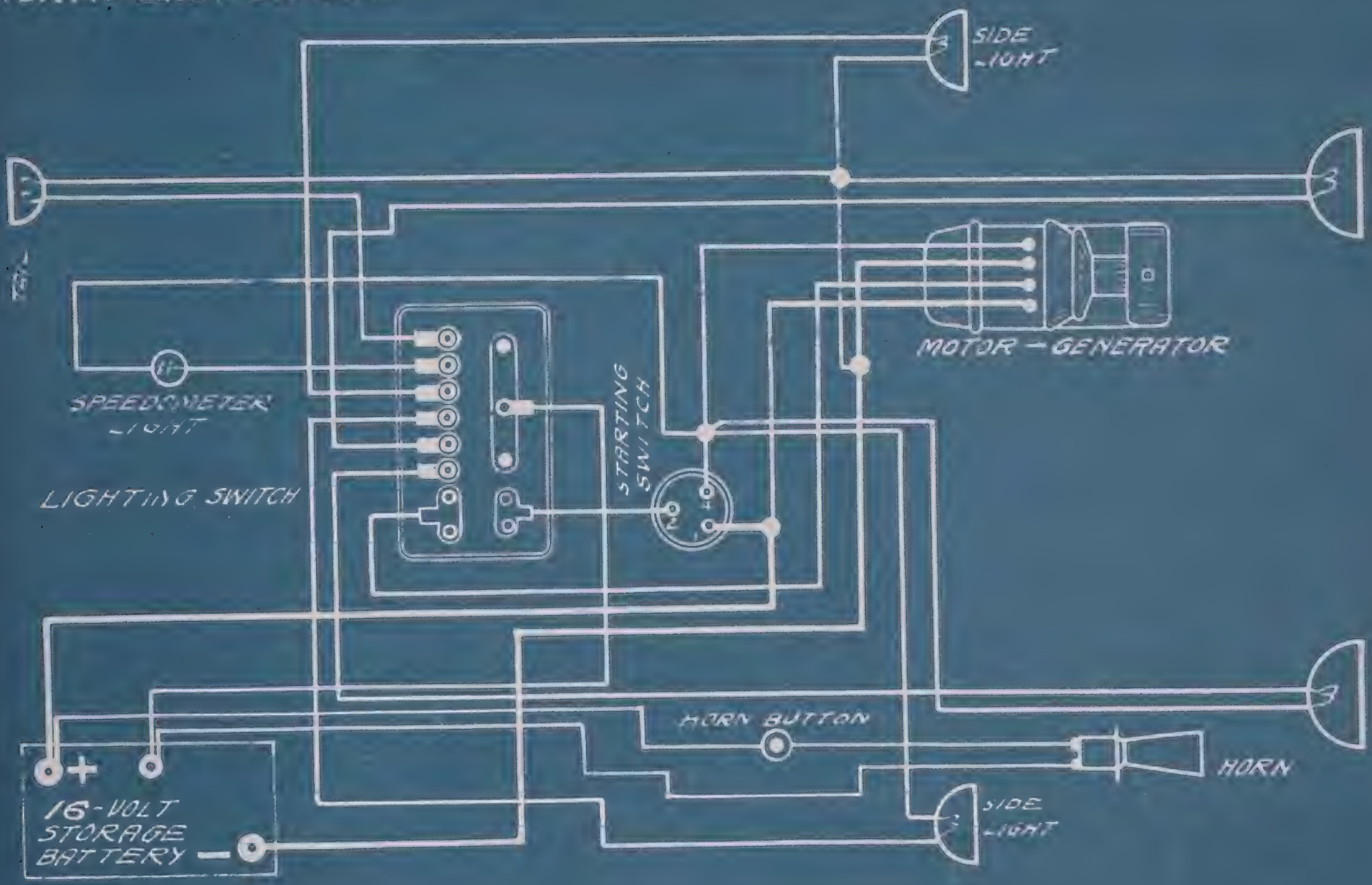


F-I-A-T 501-5-10 (IMPORTED) 1920

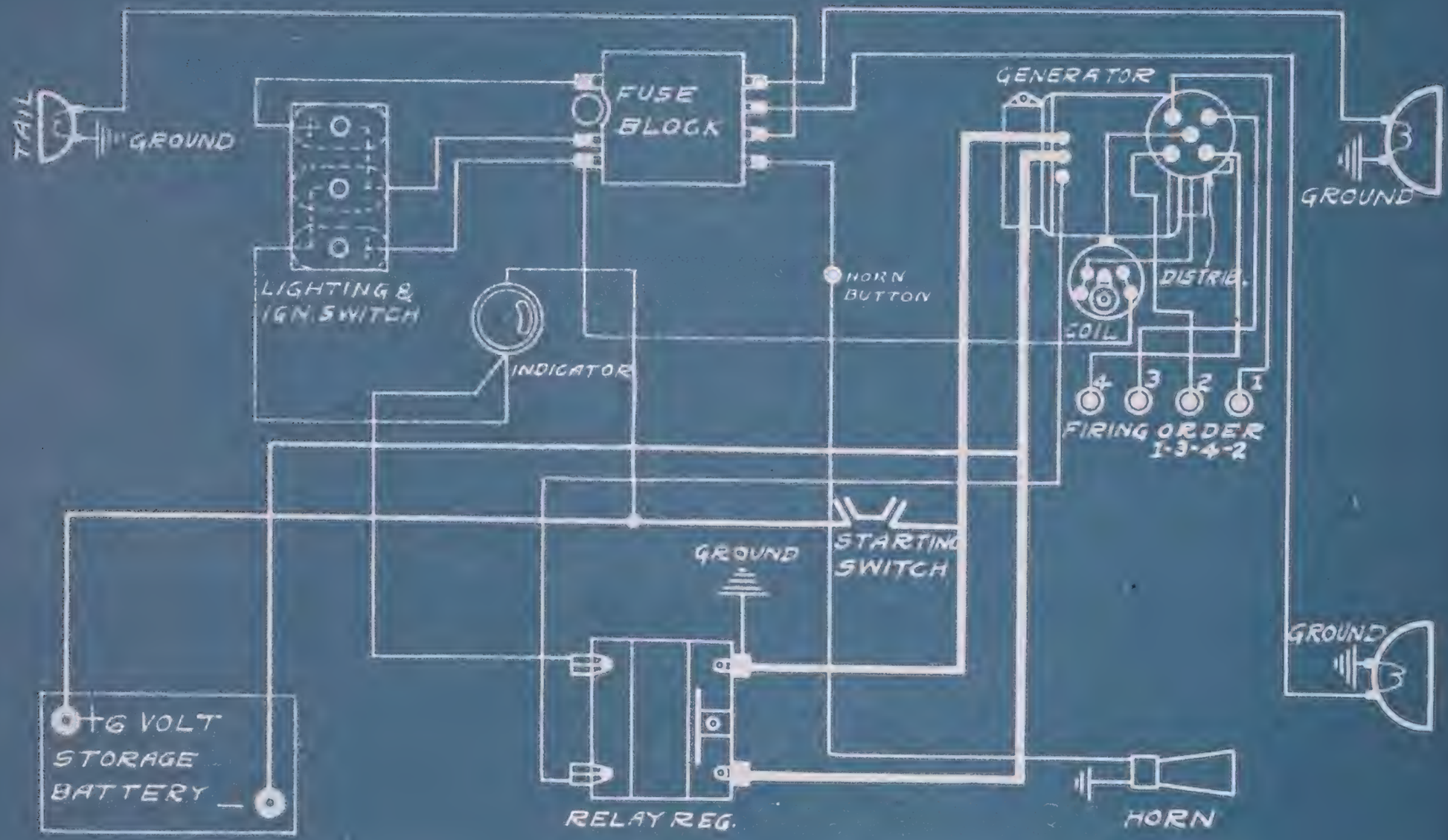
F-I-A-T SYSTEM



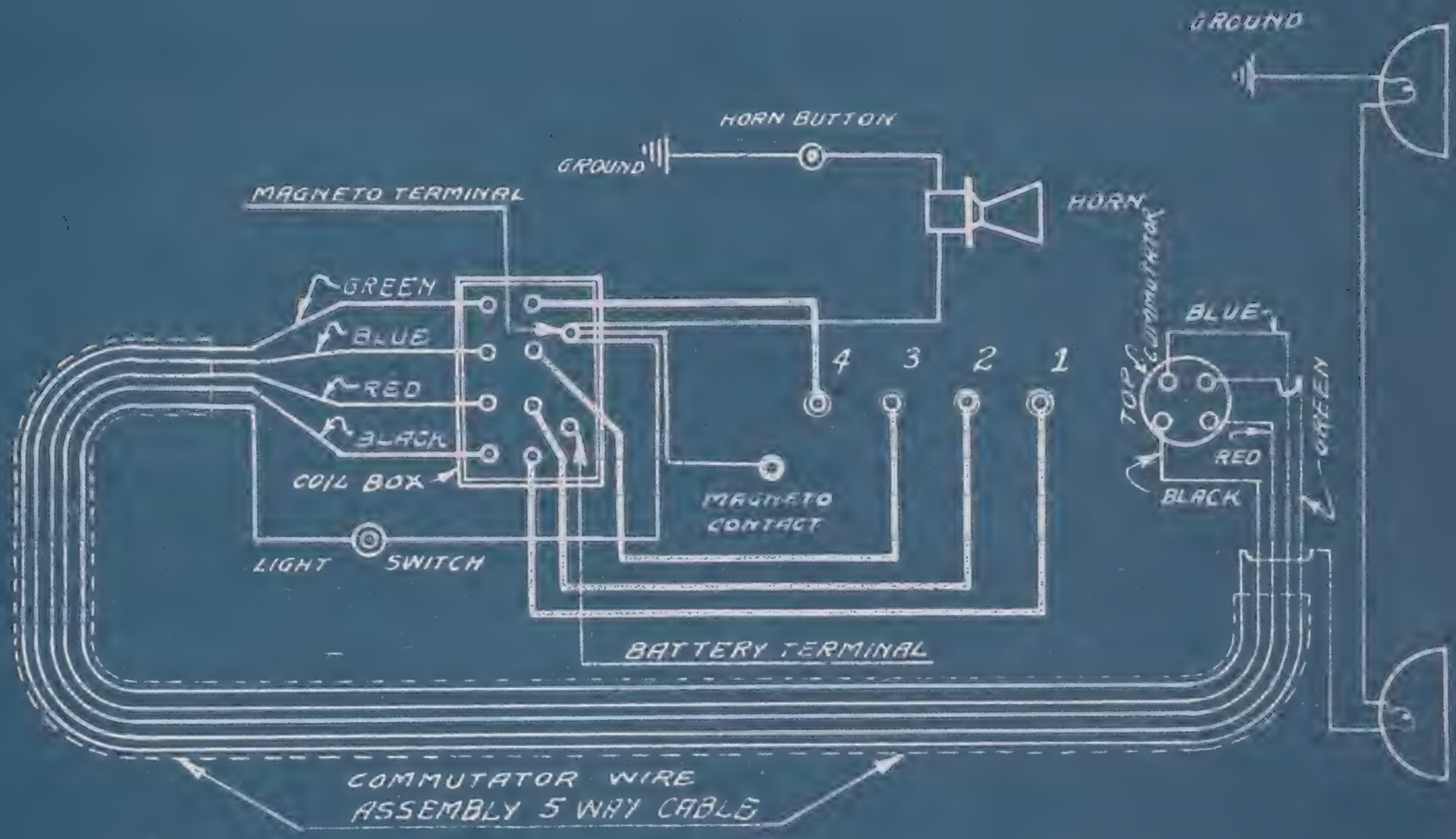
FIRESTONE-COLUMBUS 1913
NORTH-EAST SYSTEM



FISHER 1916
REMY SYSTEM

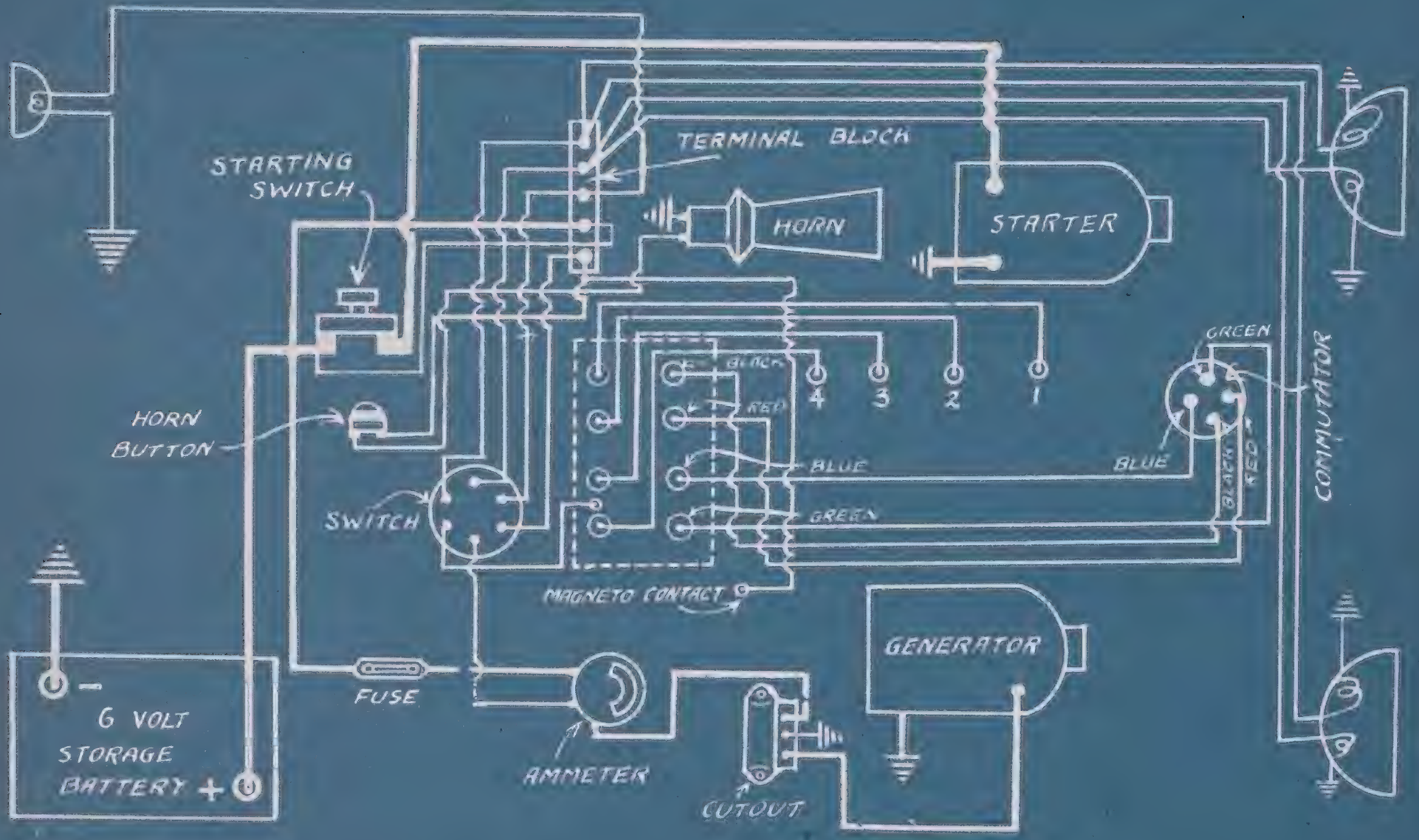


FORD STANDARD WIRING



FORD 1919 COUPE & SEDAN
1920

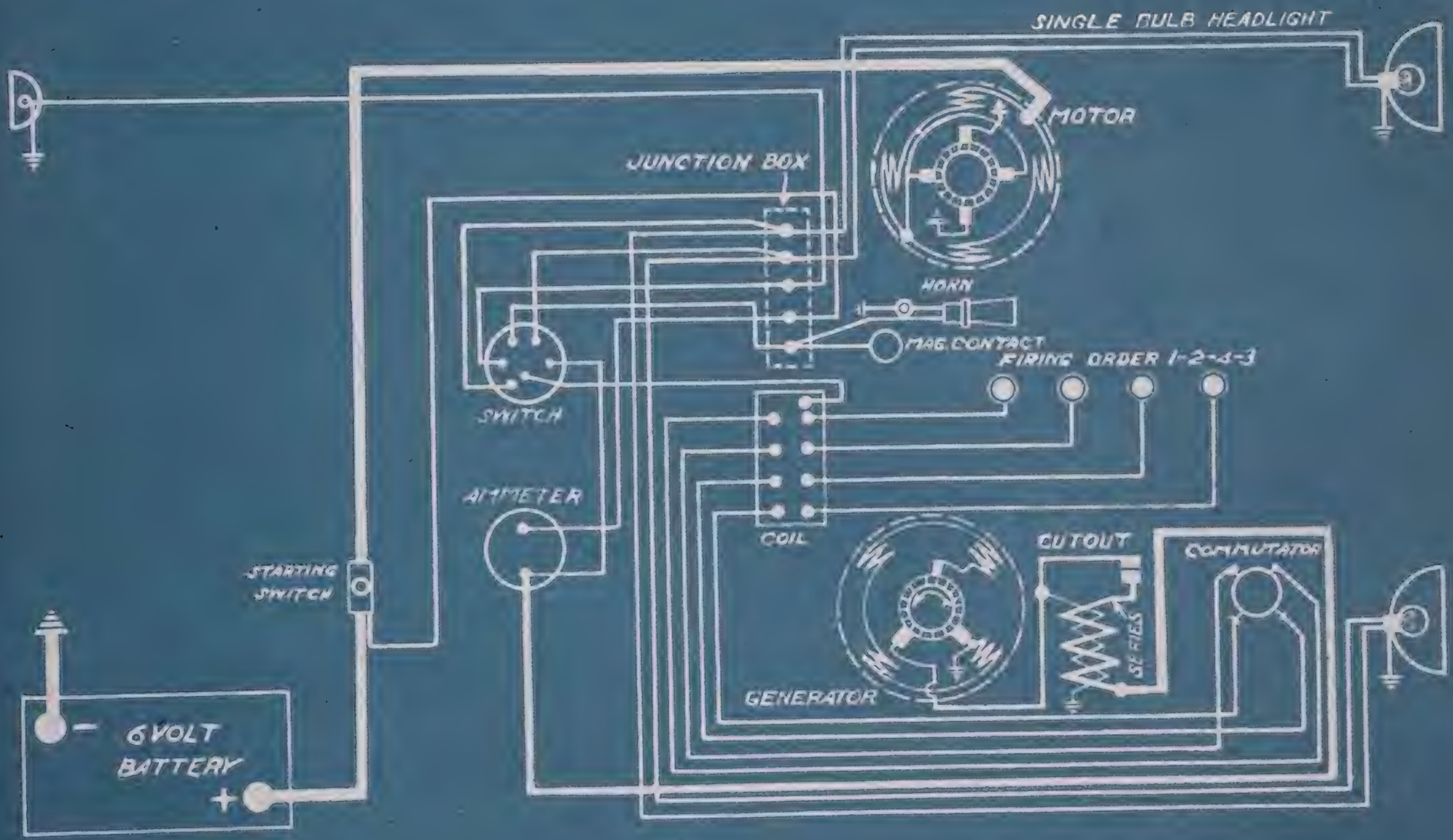
LIBERTY F.A. SYSTEM. FORD IGNITION.



FORD 1920-1921-1922

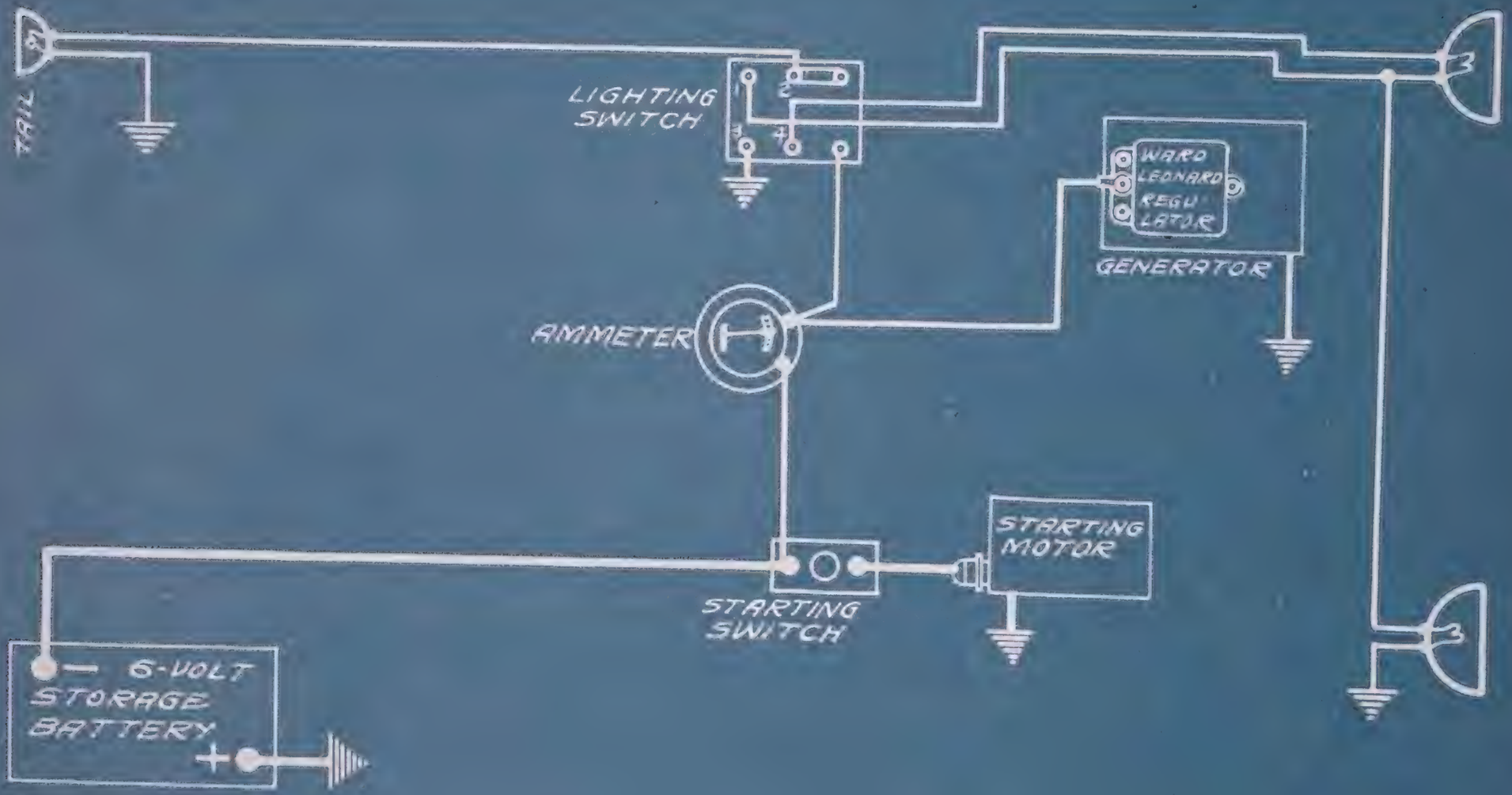
LIBERTY F.A. SYSTEM

FORD IGNITION



FORD

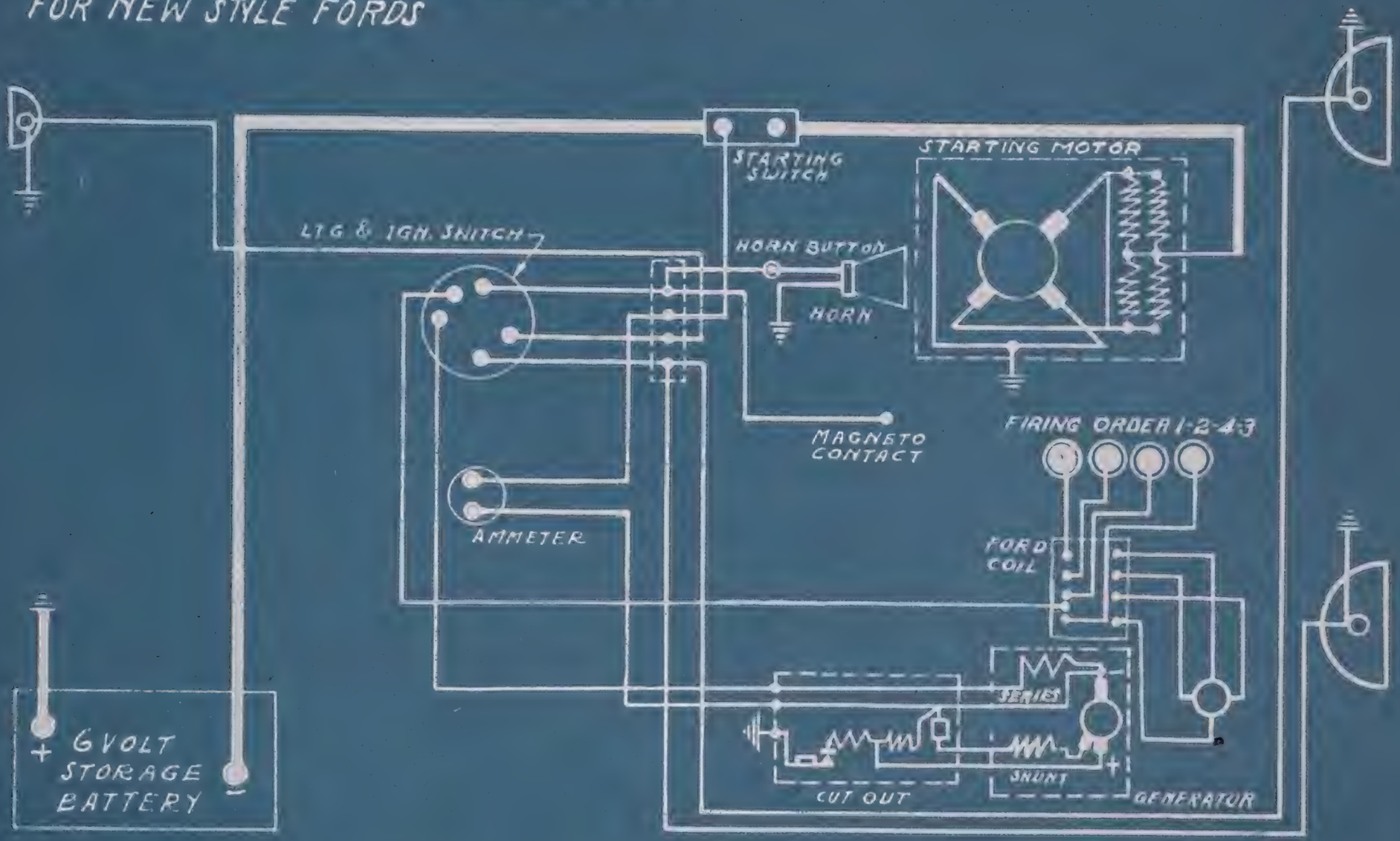
A-B-C SYSTEM EQUIPPED WITH ROBBINS & MEYERS STARTING MOTOR, WESTINGHOUSE GENERATOR AND WARD LEONARD CONTROLLER



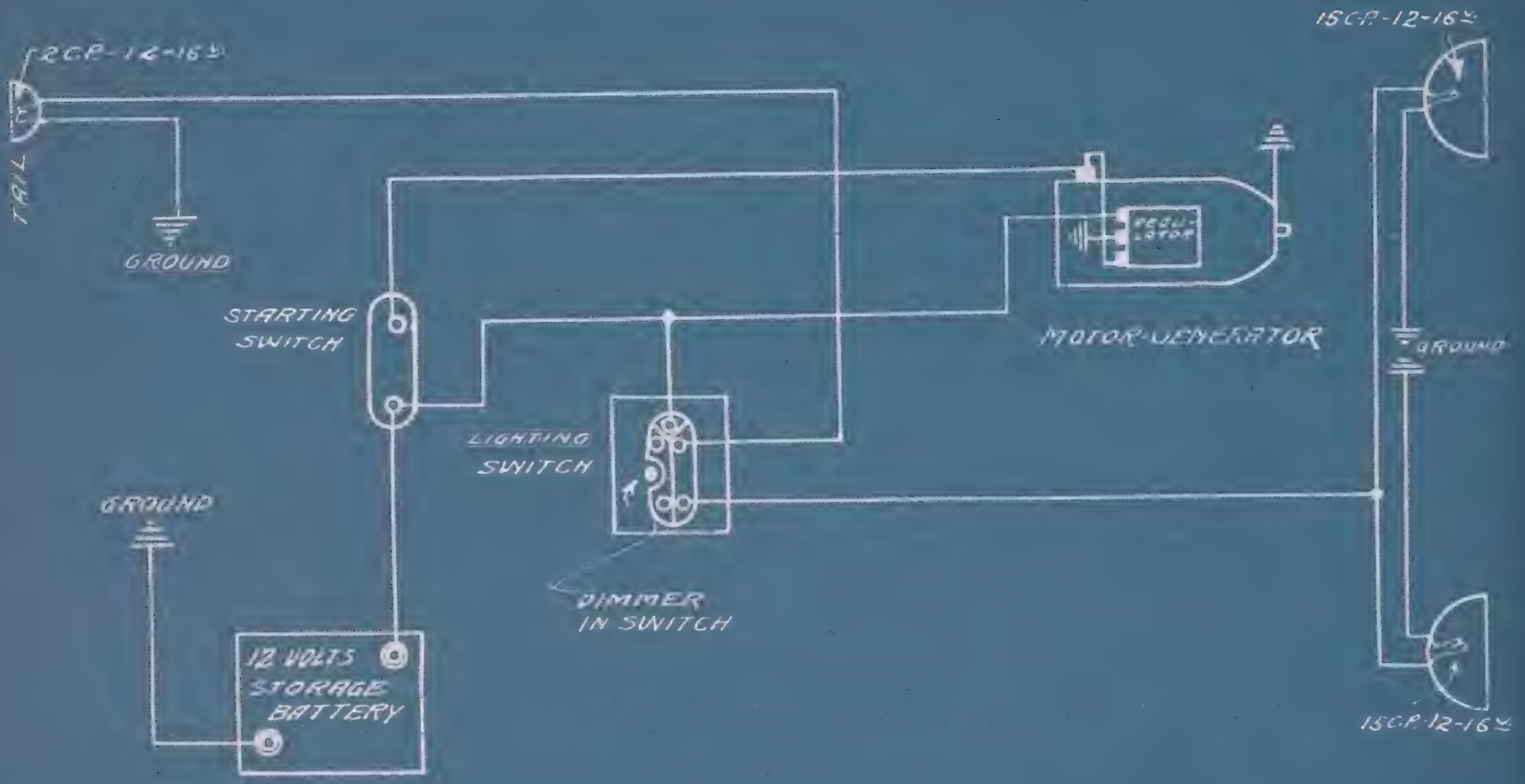
FORD

ATWATER-KENT STARTING & LIGHTING

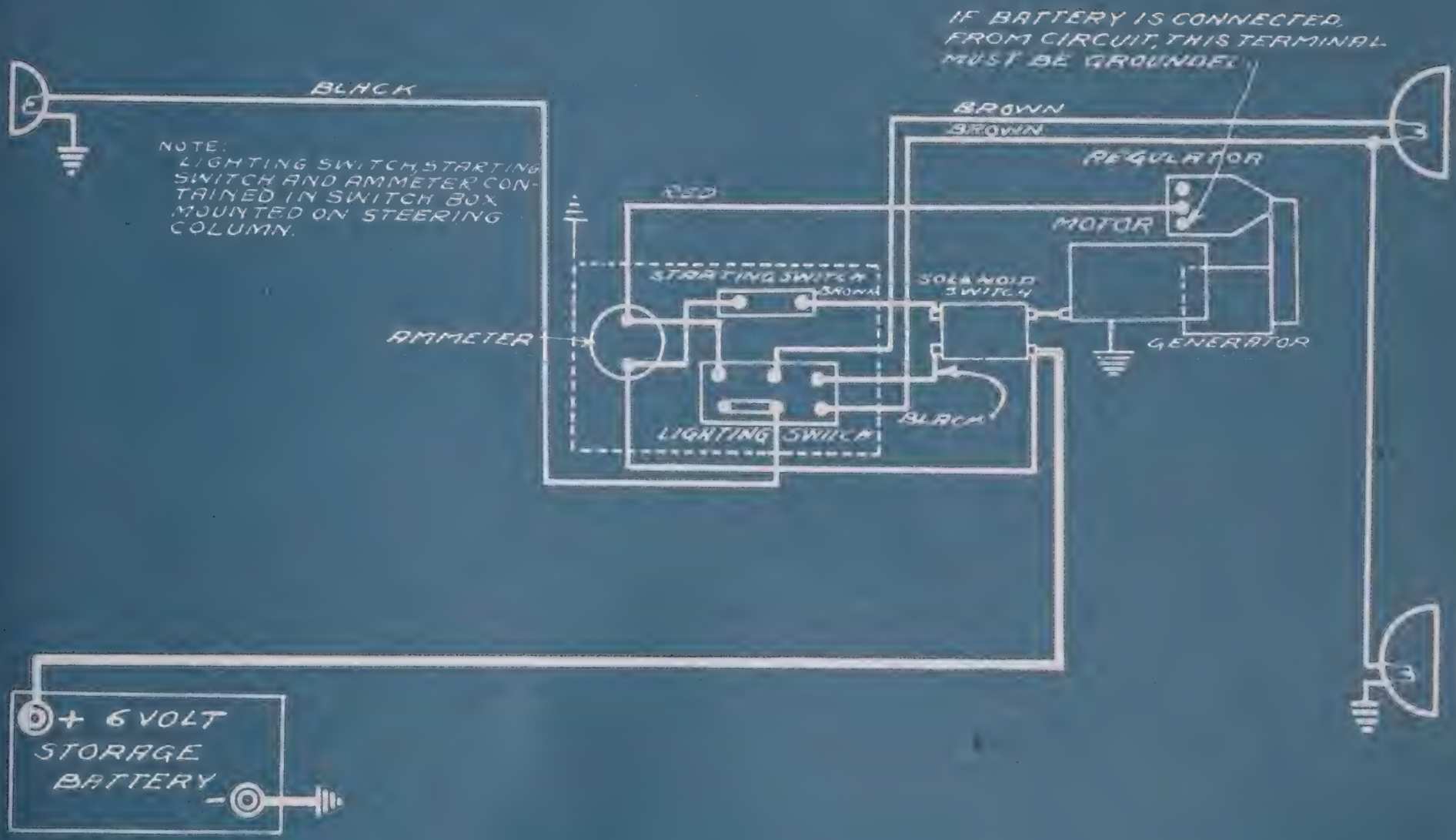
FOR NEW STYLE FORDS



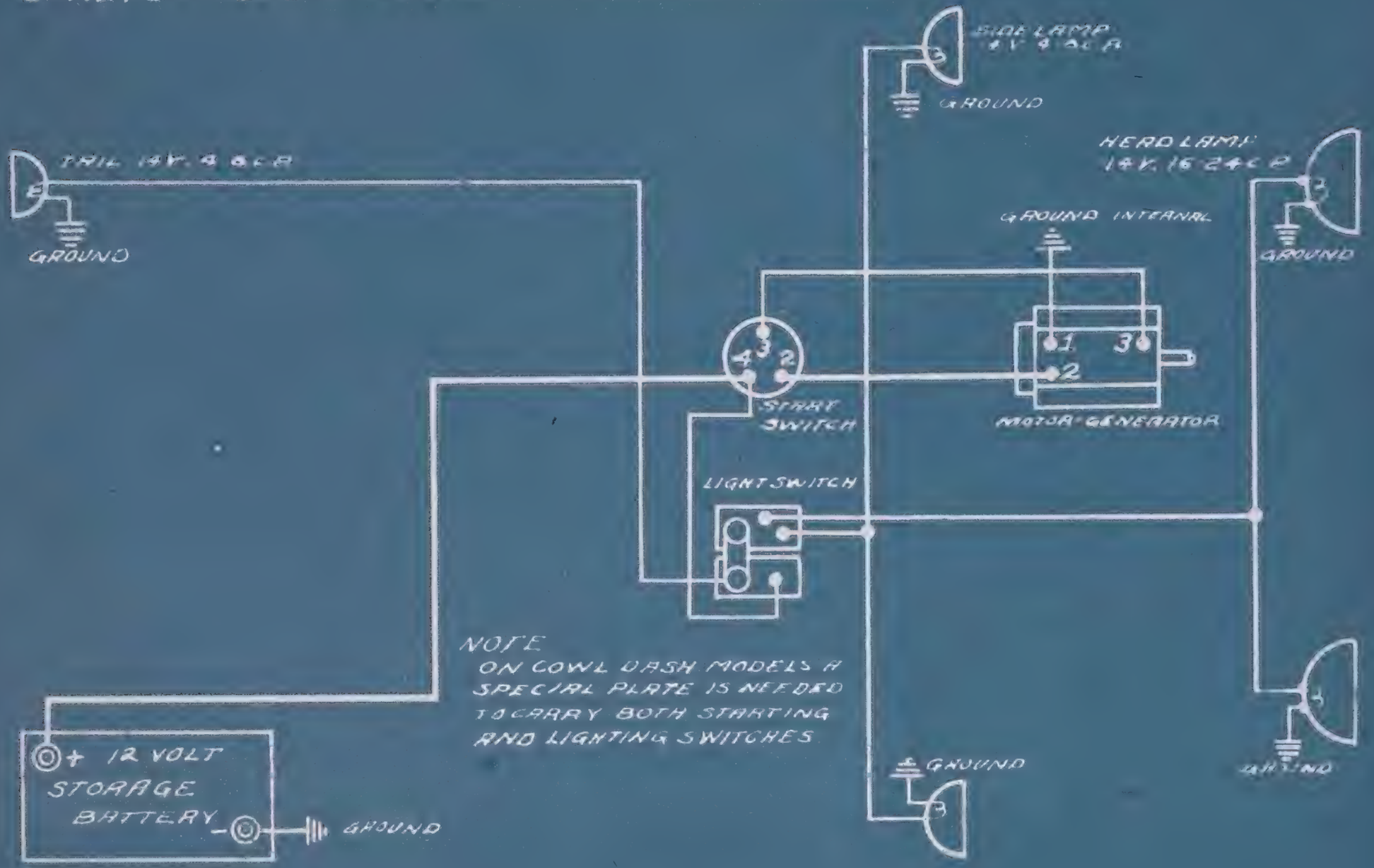
FORD
DISCO STARTING & LIGHTING SYSTEM



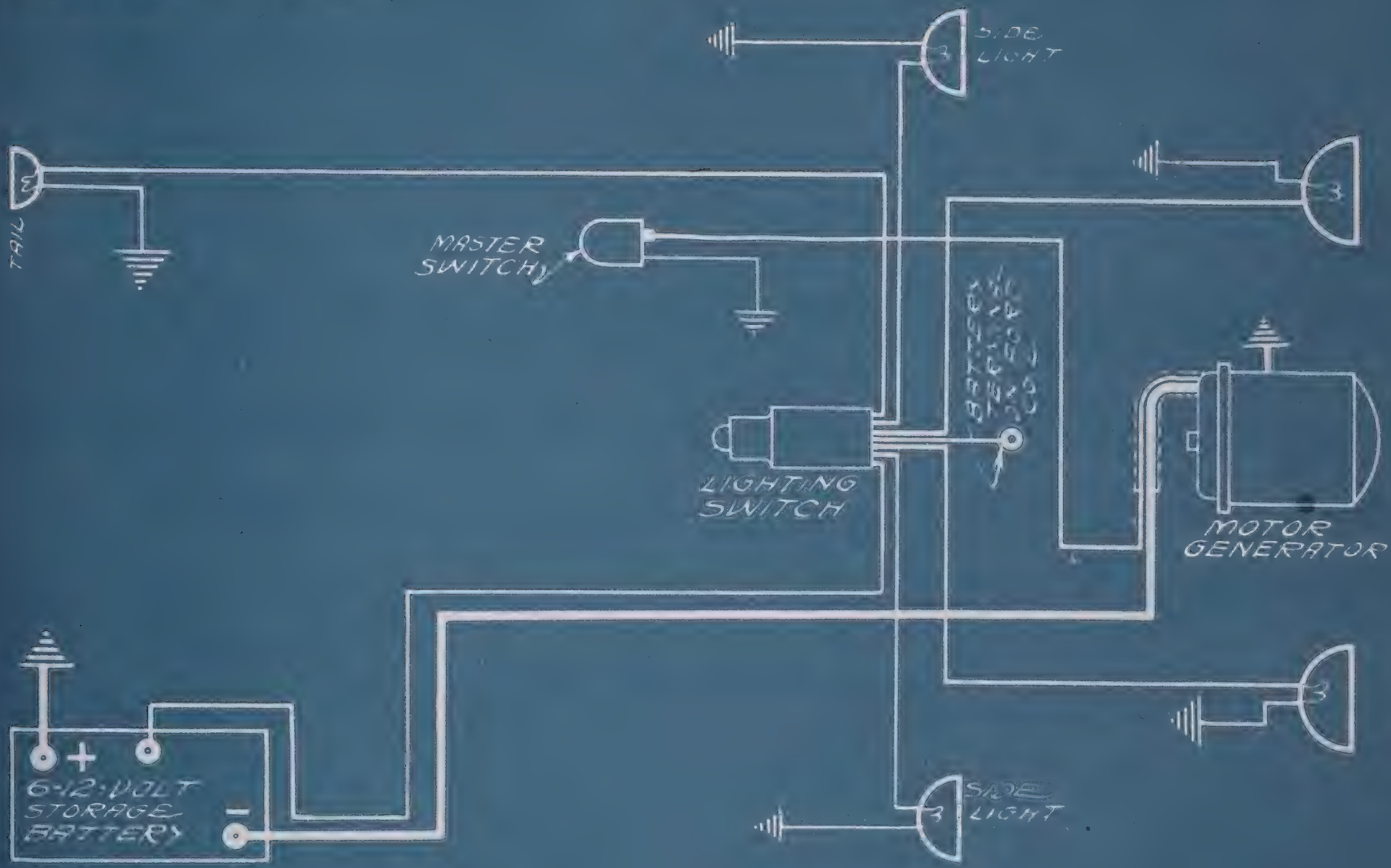
FORD
DISCO TWO UNIT STANDARD INSTALLATION



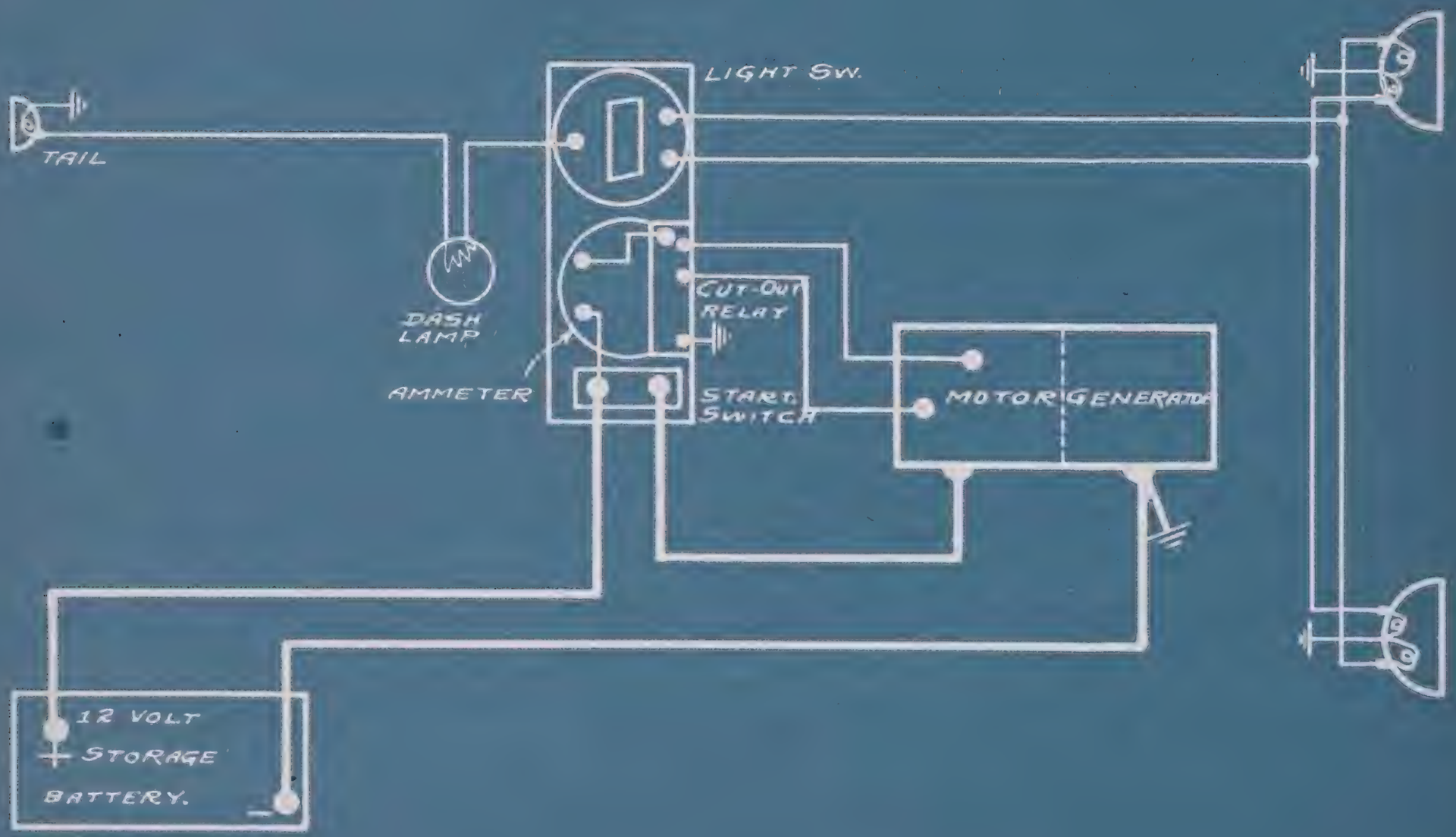
FORD
DYNETO MODEL B REVISED STANDARD DIAGRAM



FORD
EVERREADY SYSTEM

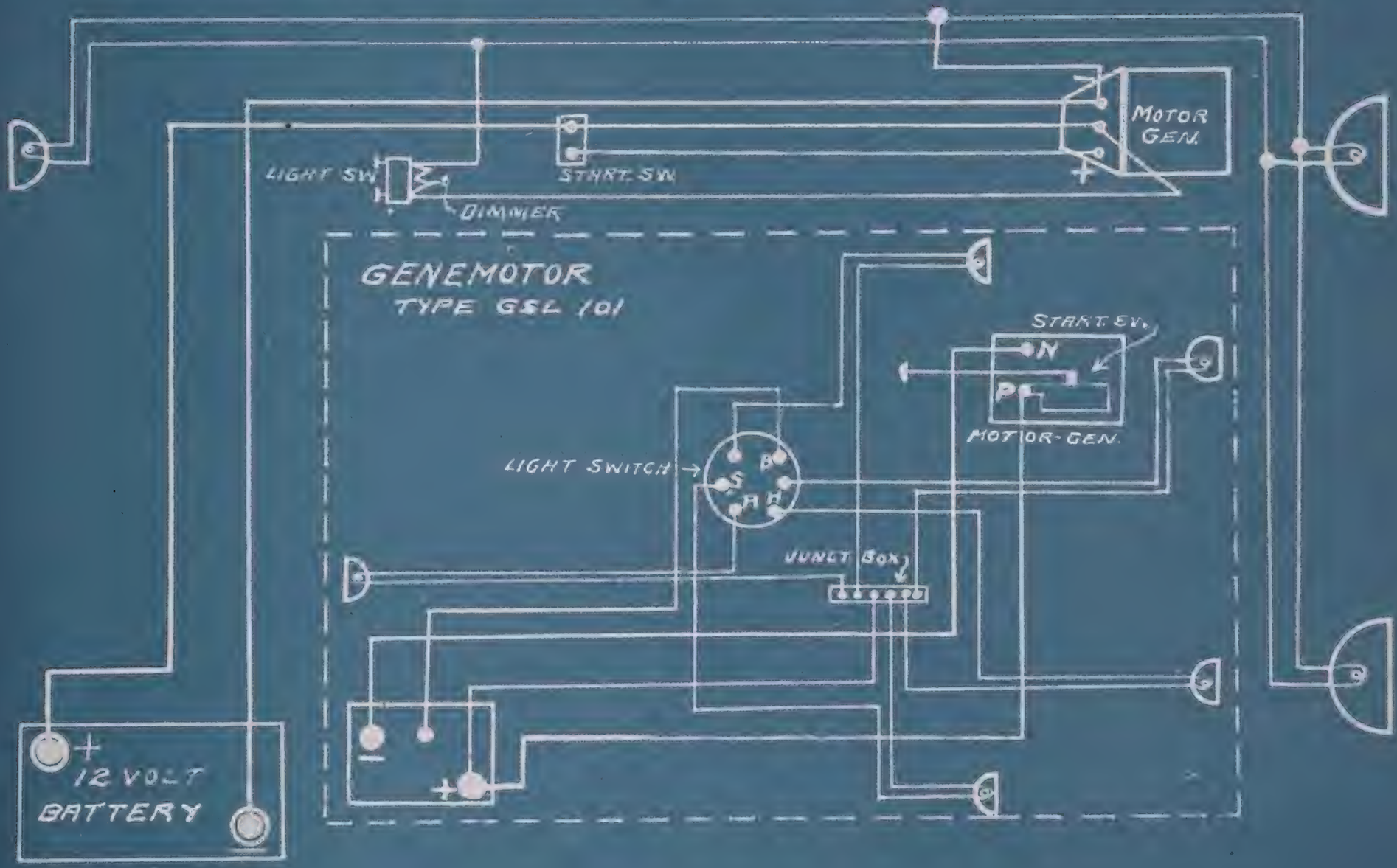


FORD
FISHER SYSTEM



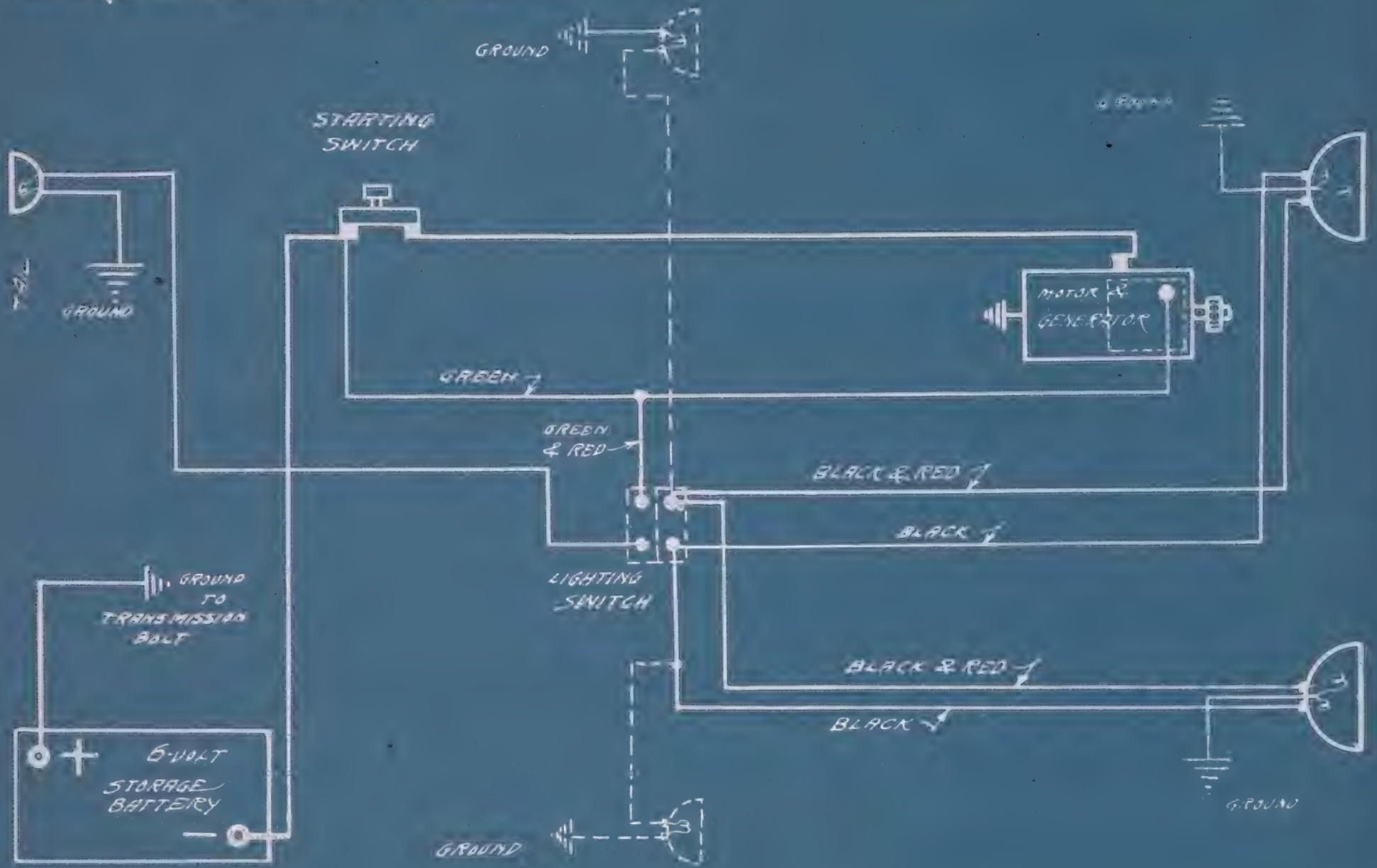
FORD

GENEMOTOR SYSTEM TYPE GSL 101-103



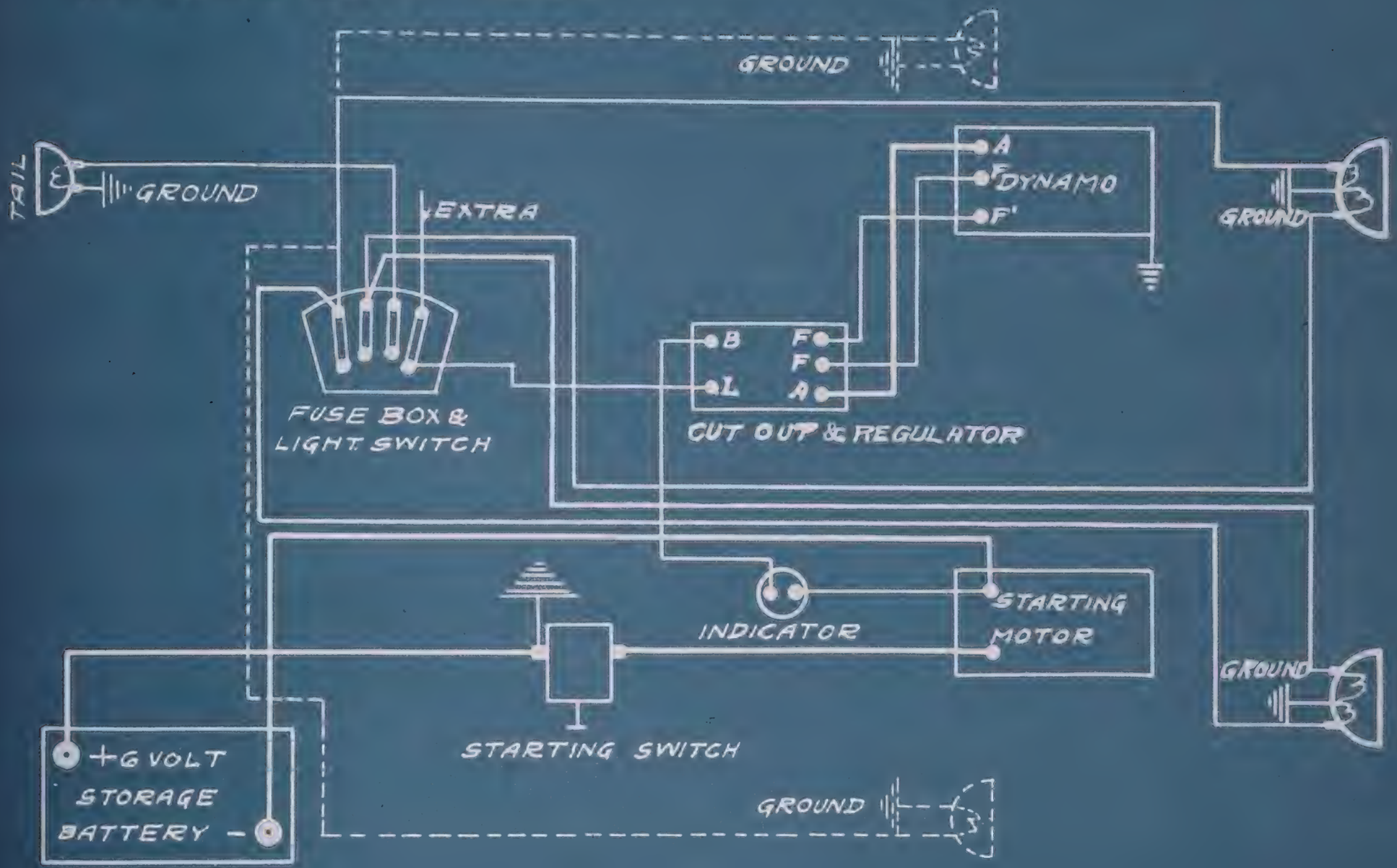
FORD

GRAY & DAVIS SYSTEM -SINGLE UNIT-



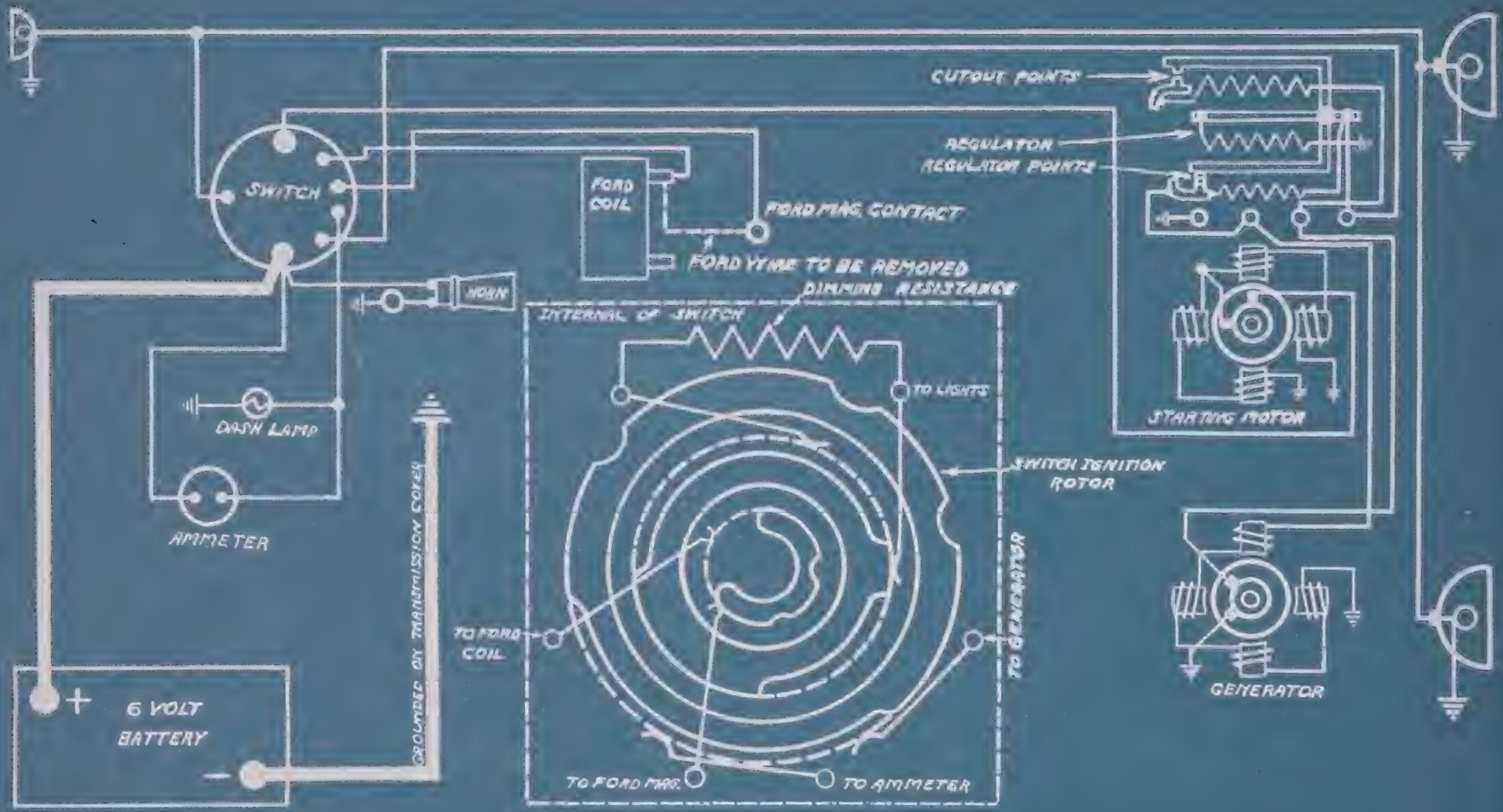
FORD

GRAY & DAVIS SYSTEM - TWO UNIT -



FORD

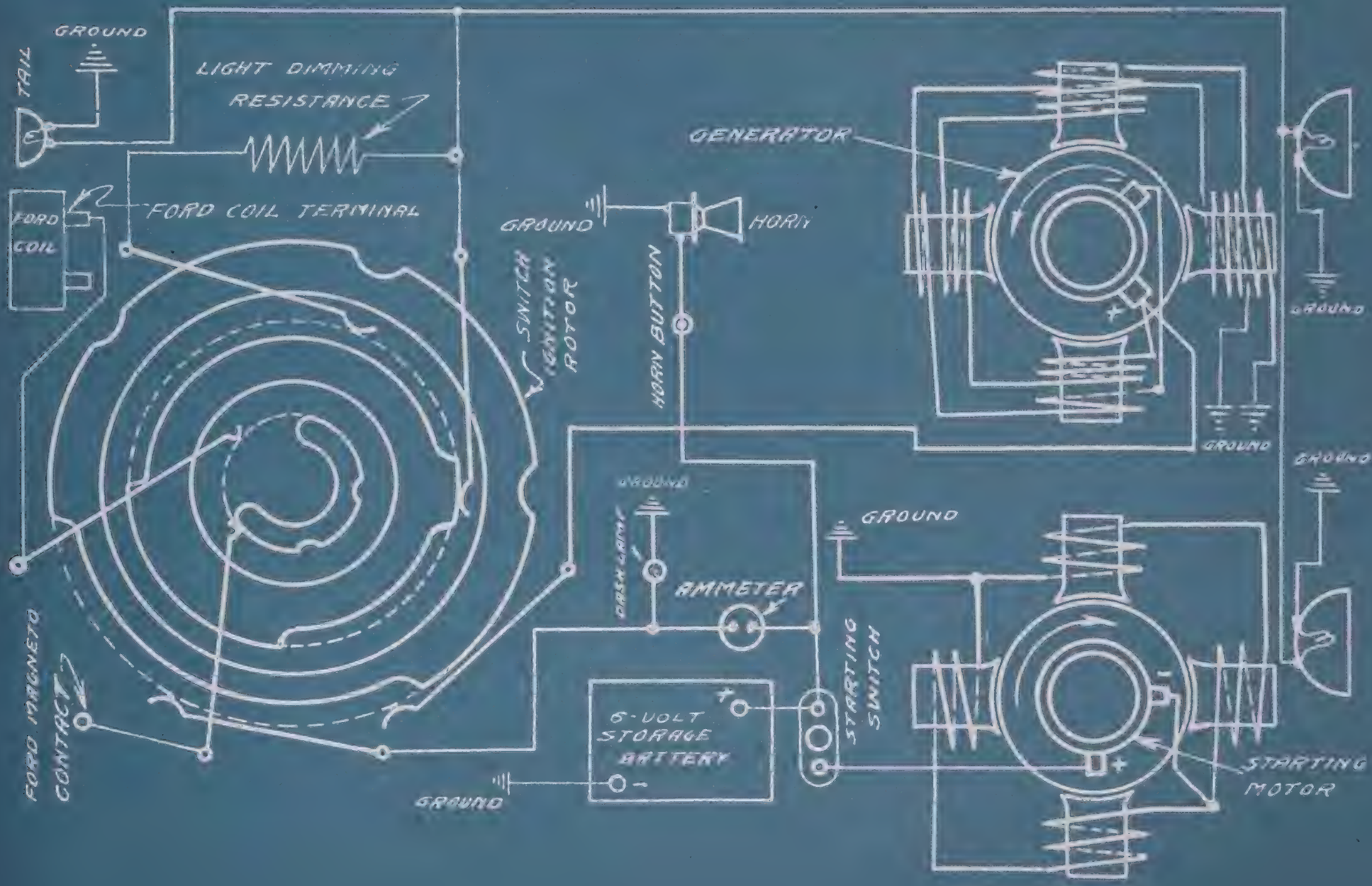
HEINZE - SPRINGFIELD SYSTEM WITH VIBRATING REGULATOR



FORD

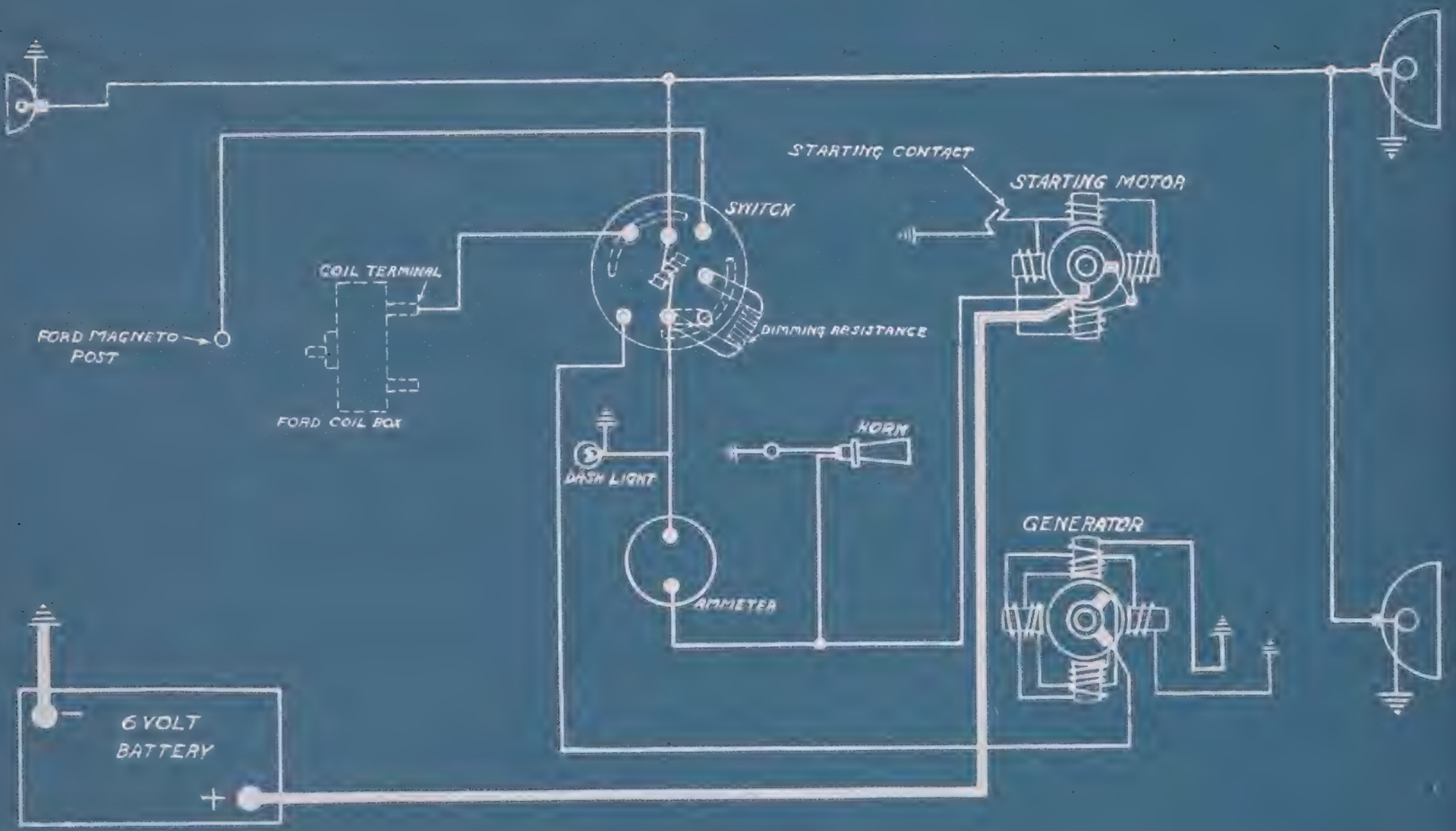
HEINZE-SPRINGFIELD SYSTEM - MODEL 33 - INTERNAL WIRING

FROM FACTORY BR 1655



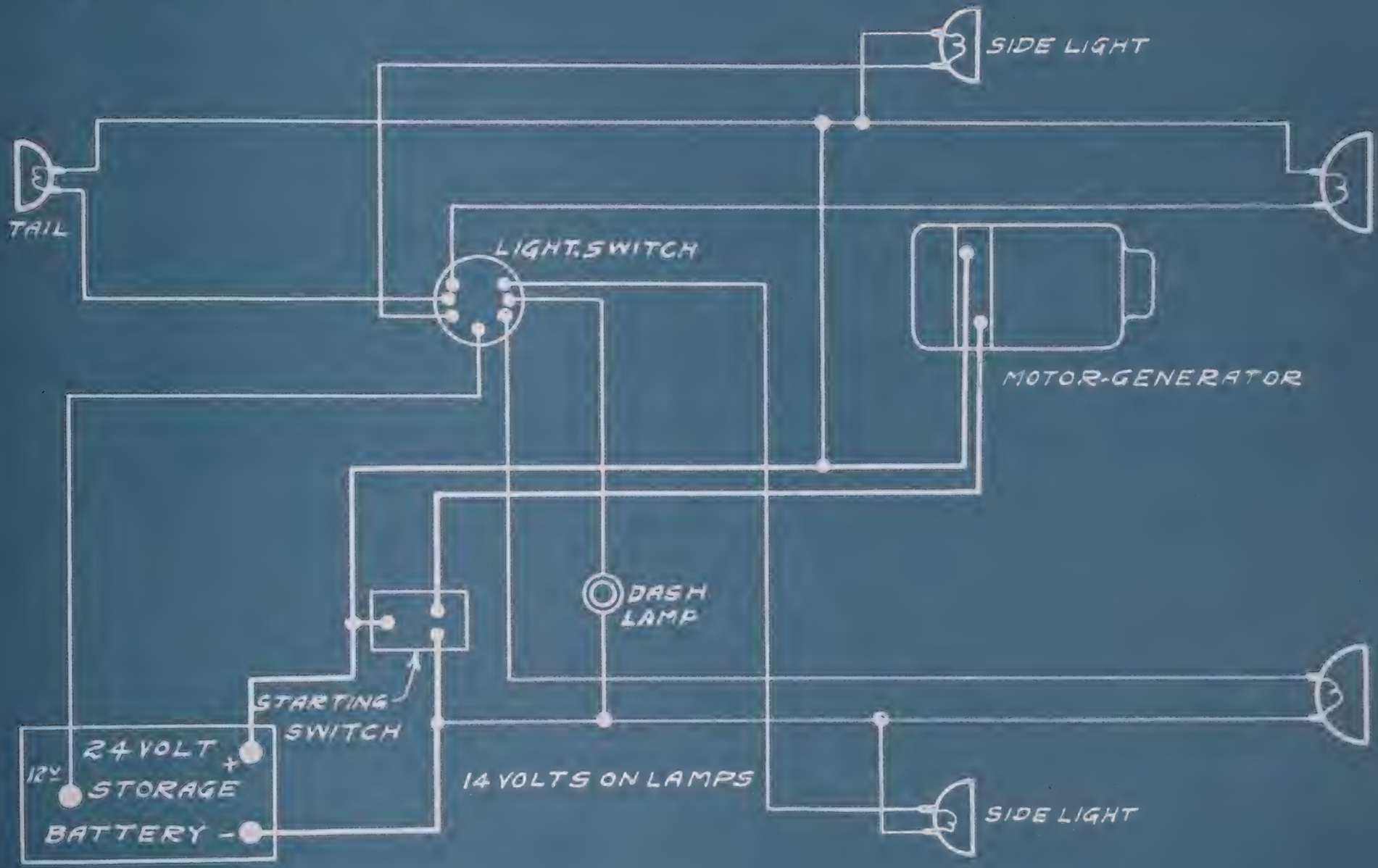
FORD

HEINZE - SPRINGFIELD SYSTEM NEW MODEL -33

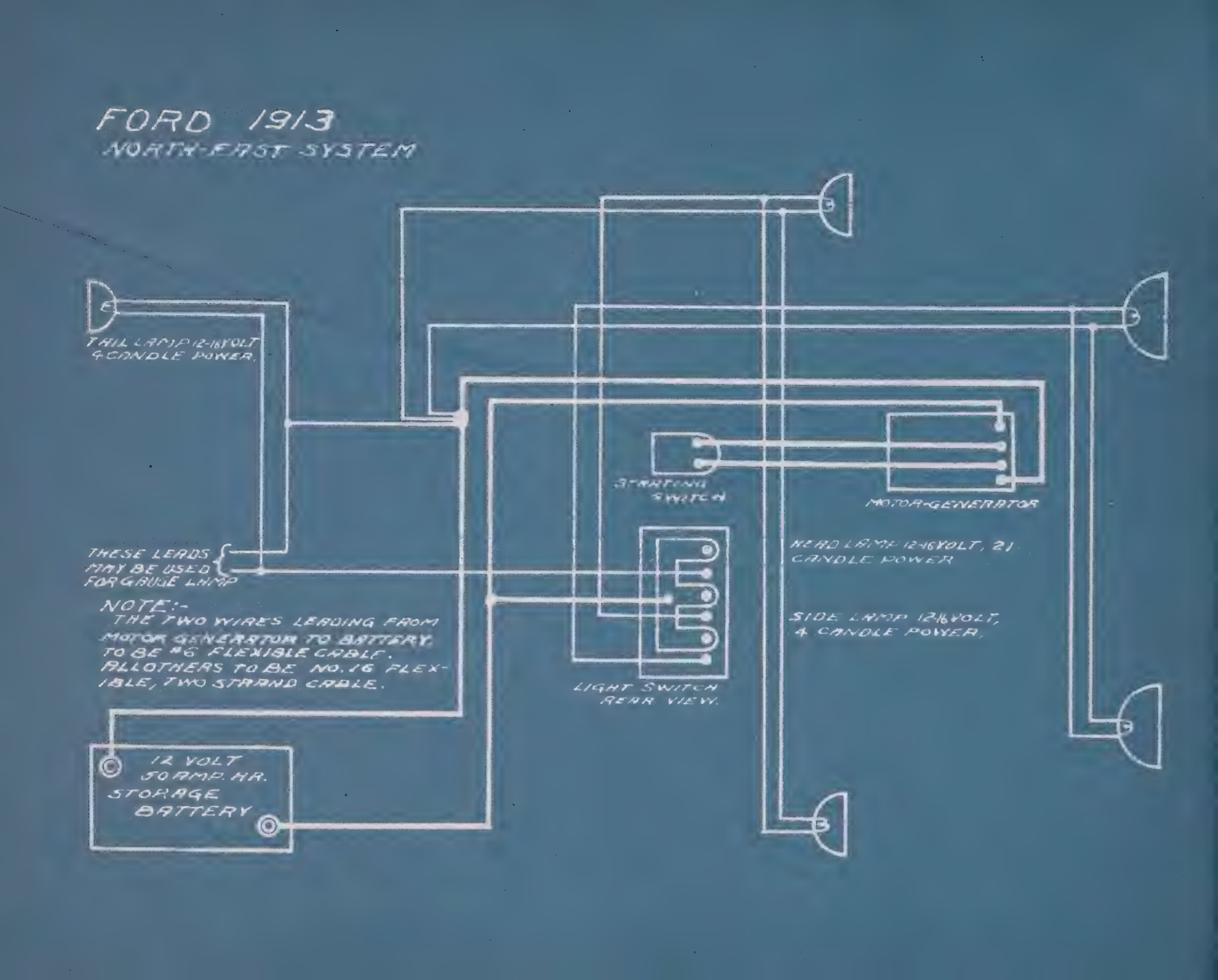


FORD

LEECE-NEVILLE SYSTEM

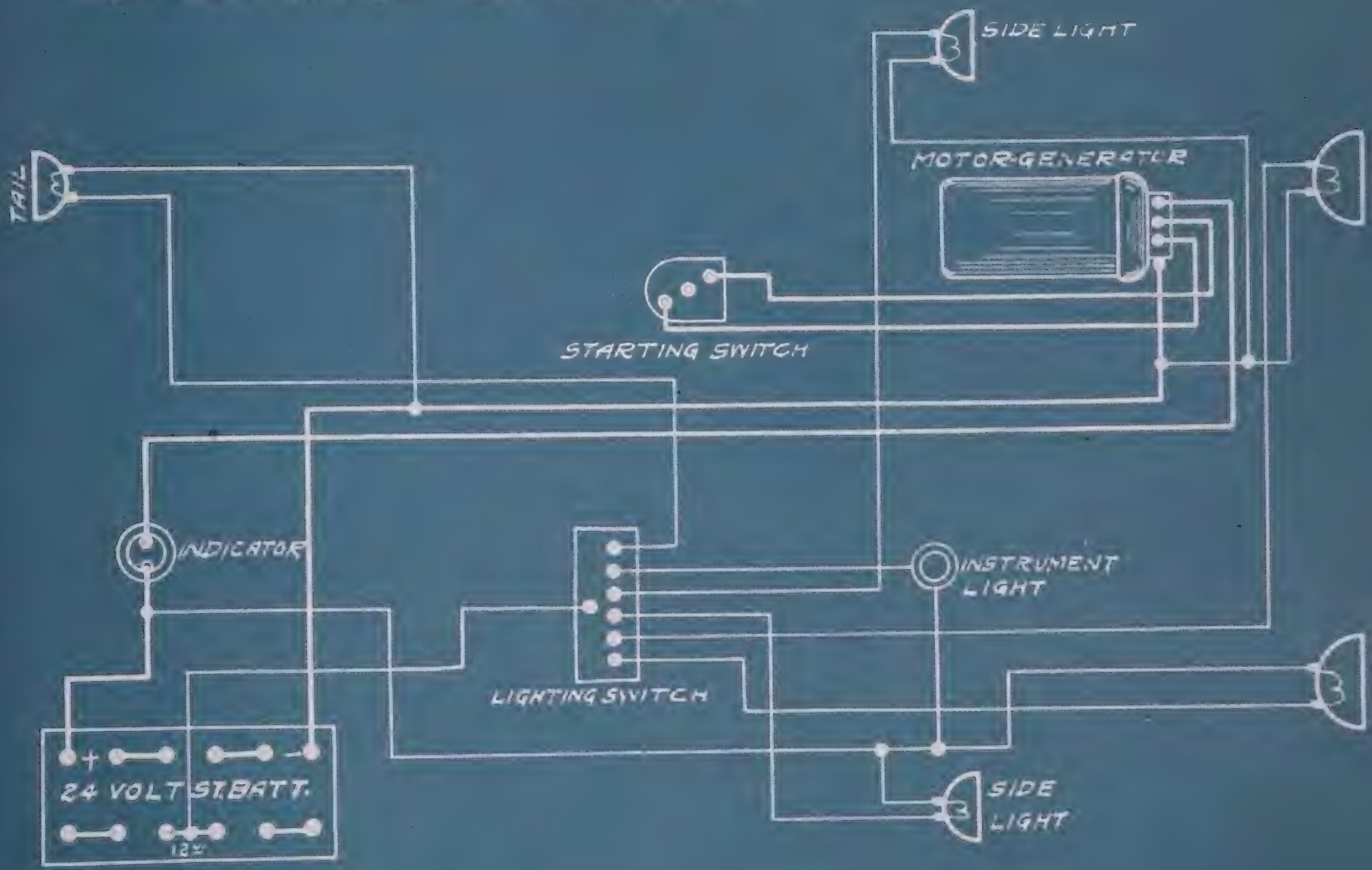


FORD 1913
NORTH-EAST SYSTEM



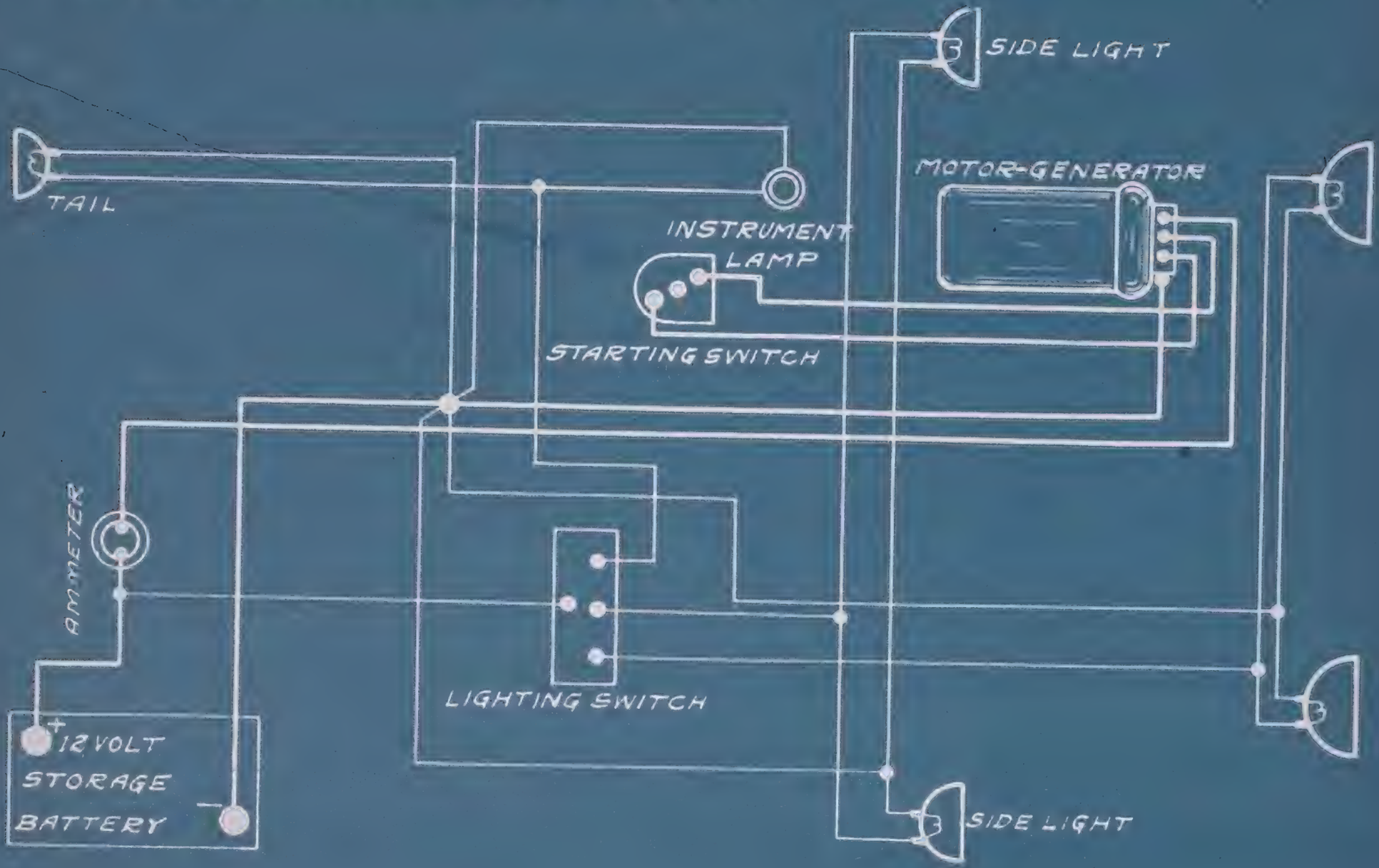
FORD

NORTH-EAST SYSTEM MODEL "D" TYPE 1210

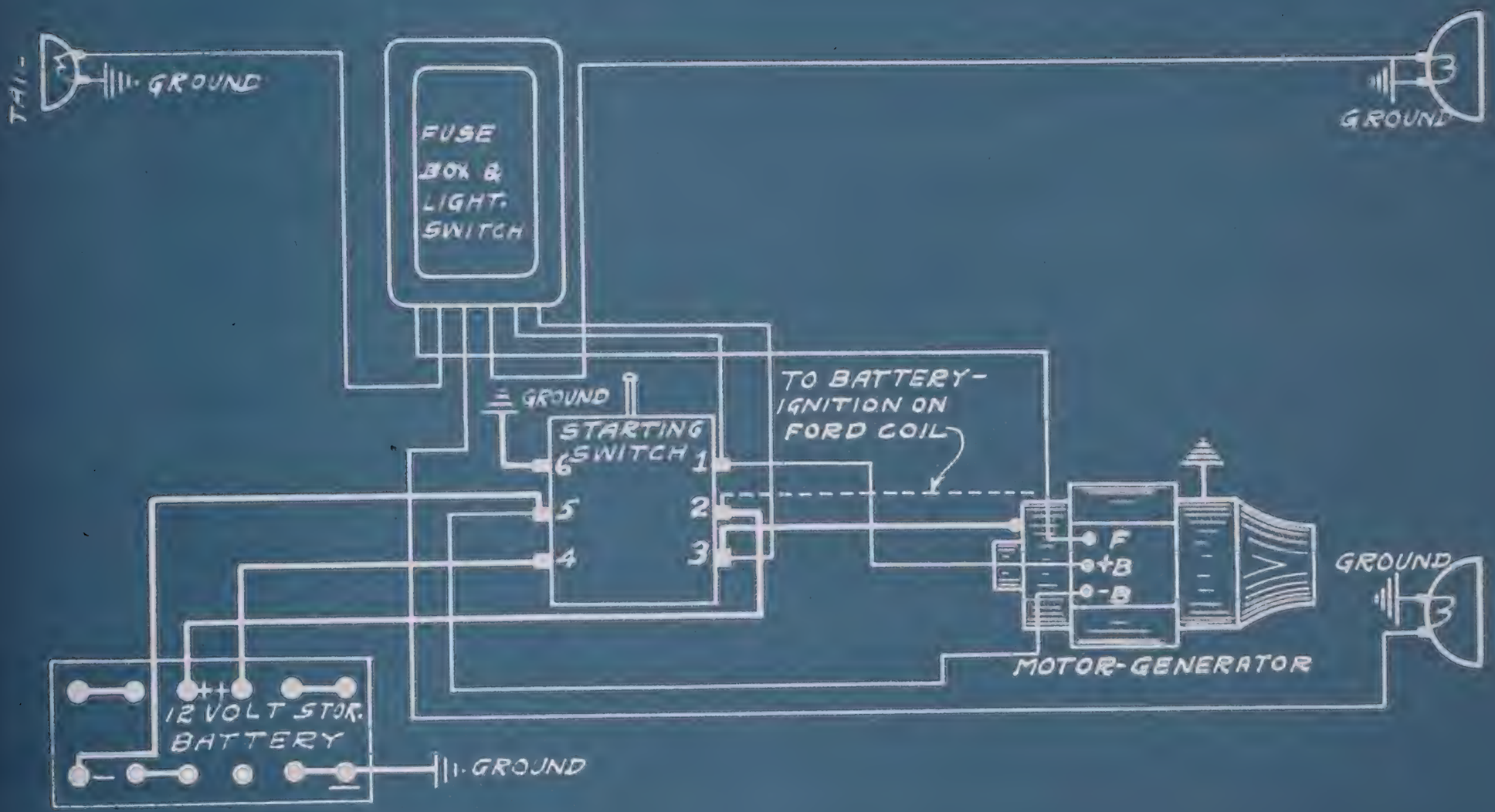


FORD

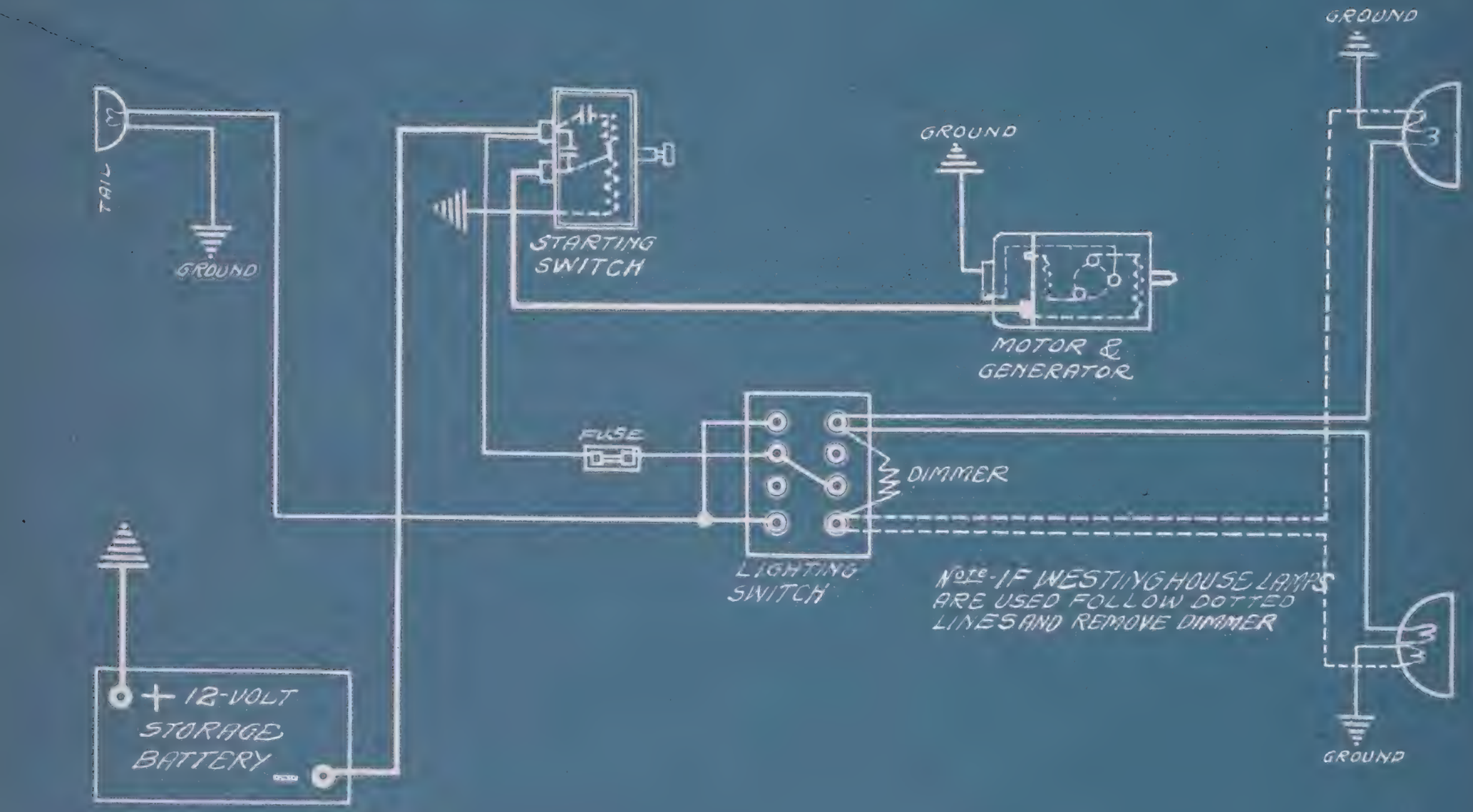
NORTH-EAST SYSTEM MODEL "D" TYPE 1252



FORD
SIMMS-HUFF SYSTEM

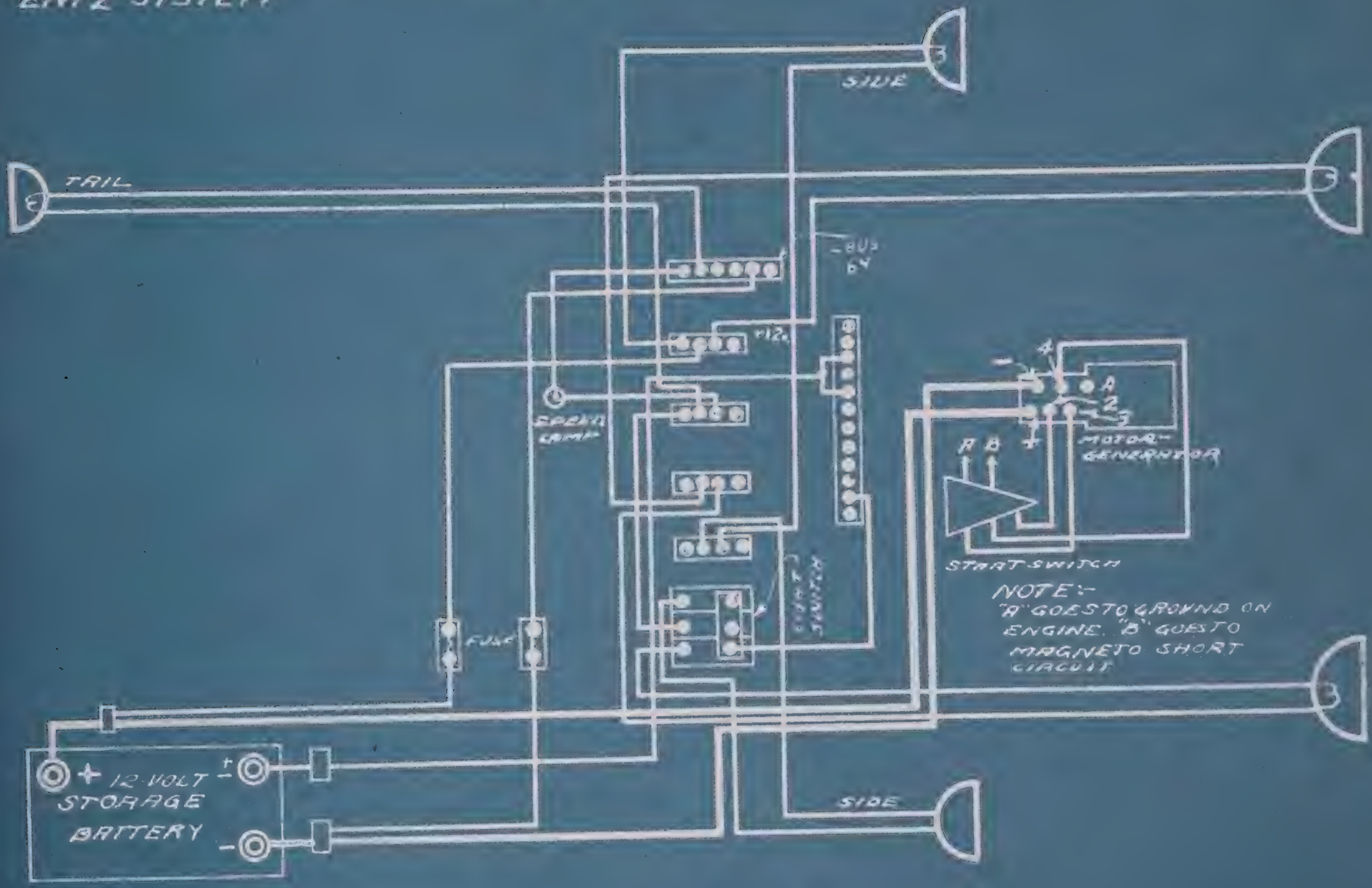


FORD
WESTINGHOUSE SYSTEM



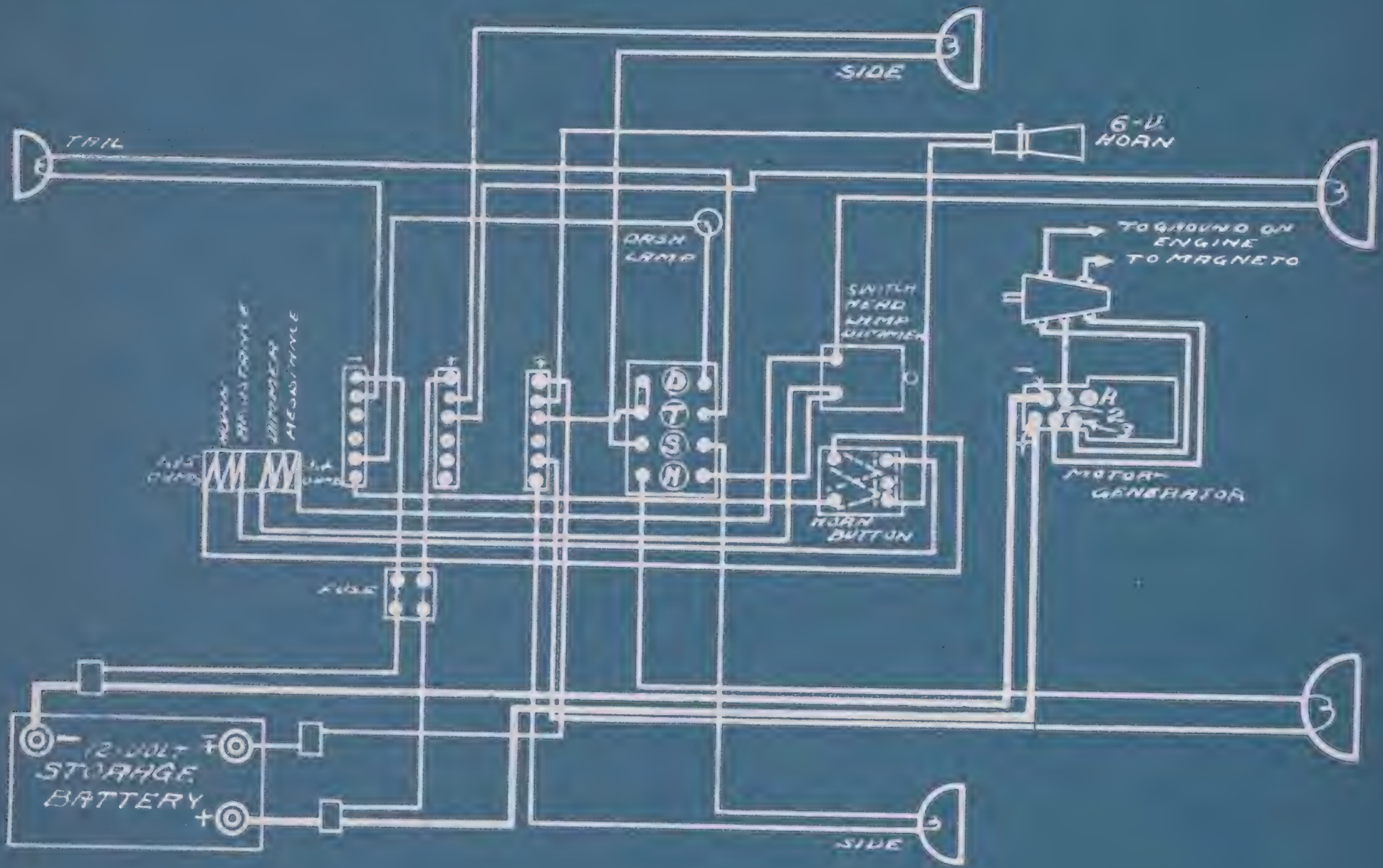
FRANKLIN 1913-14 SERIES 2-D-H-M

ENTZ SYSTEM



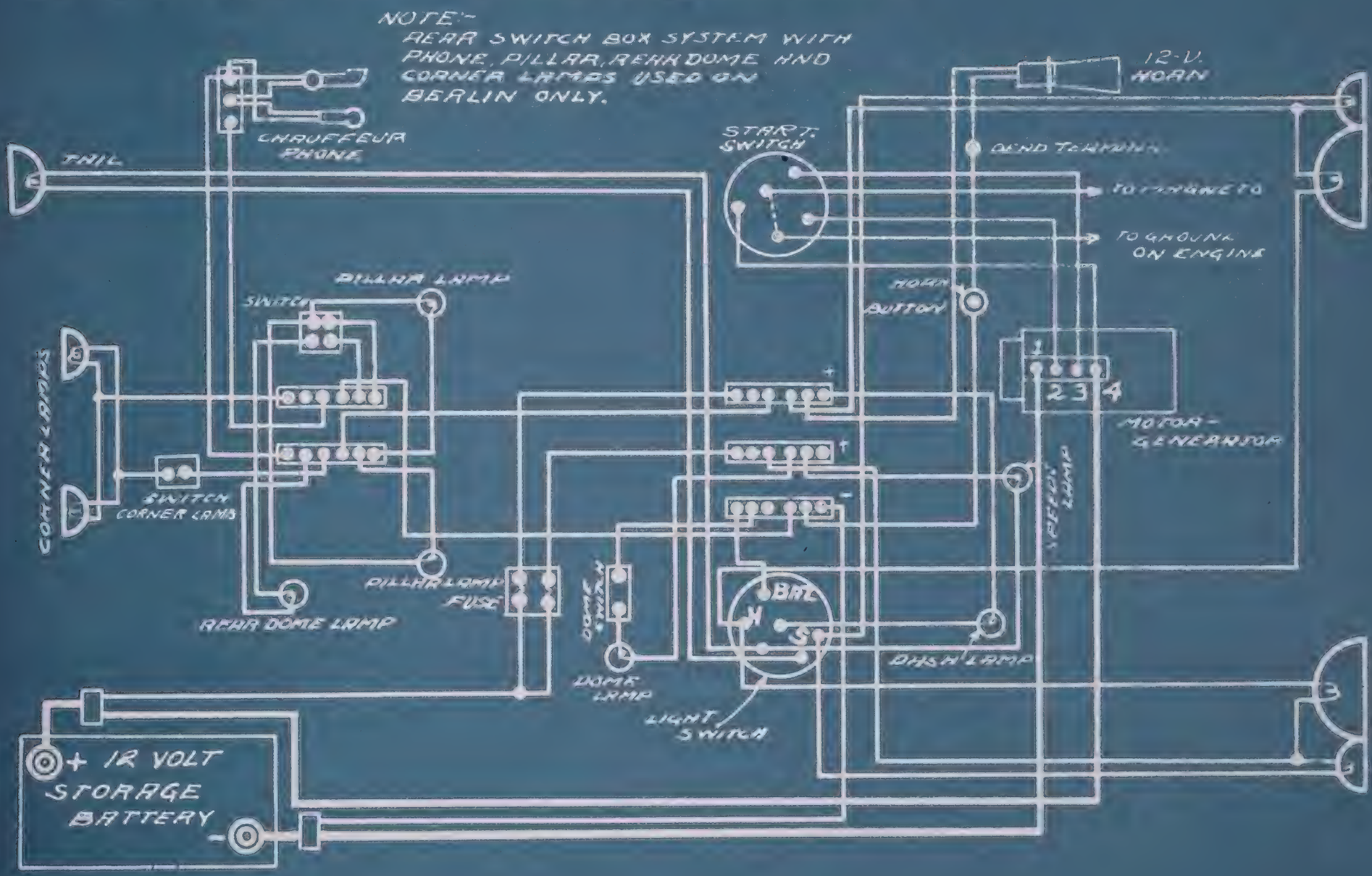
FRANKLIN 1913-14 SERIES 3-M

ENTZ SYSTEM



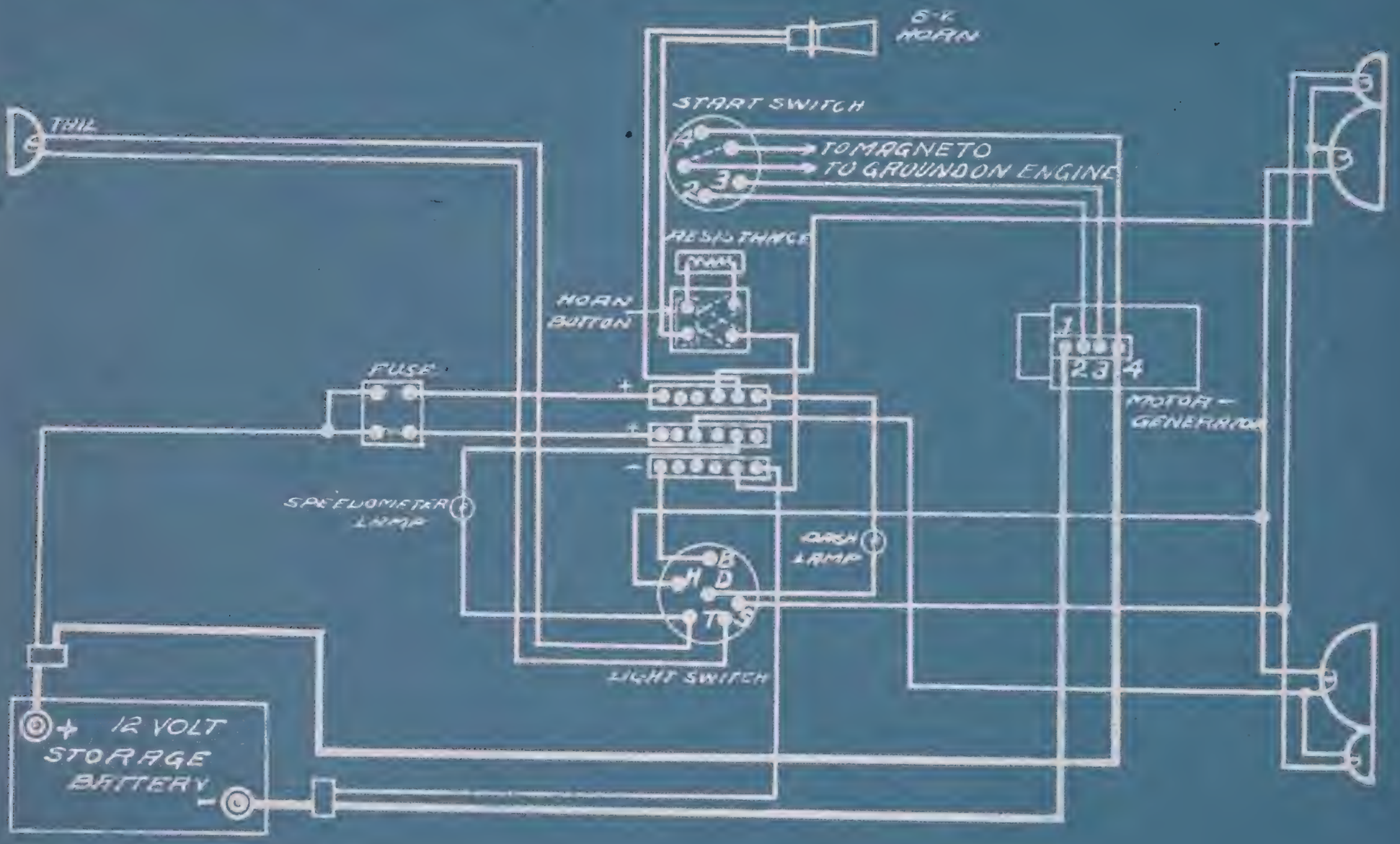
FRANKLIN 1914-15-16 SERIES 6-M

ENTZ SYSTEM USED ON COUPE & BERLIN TYPES



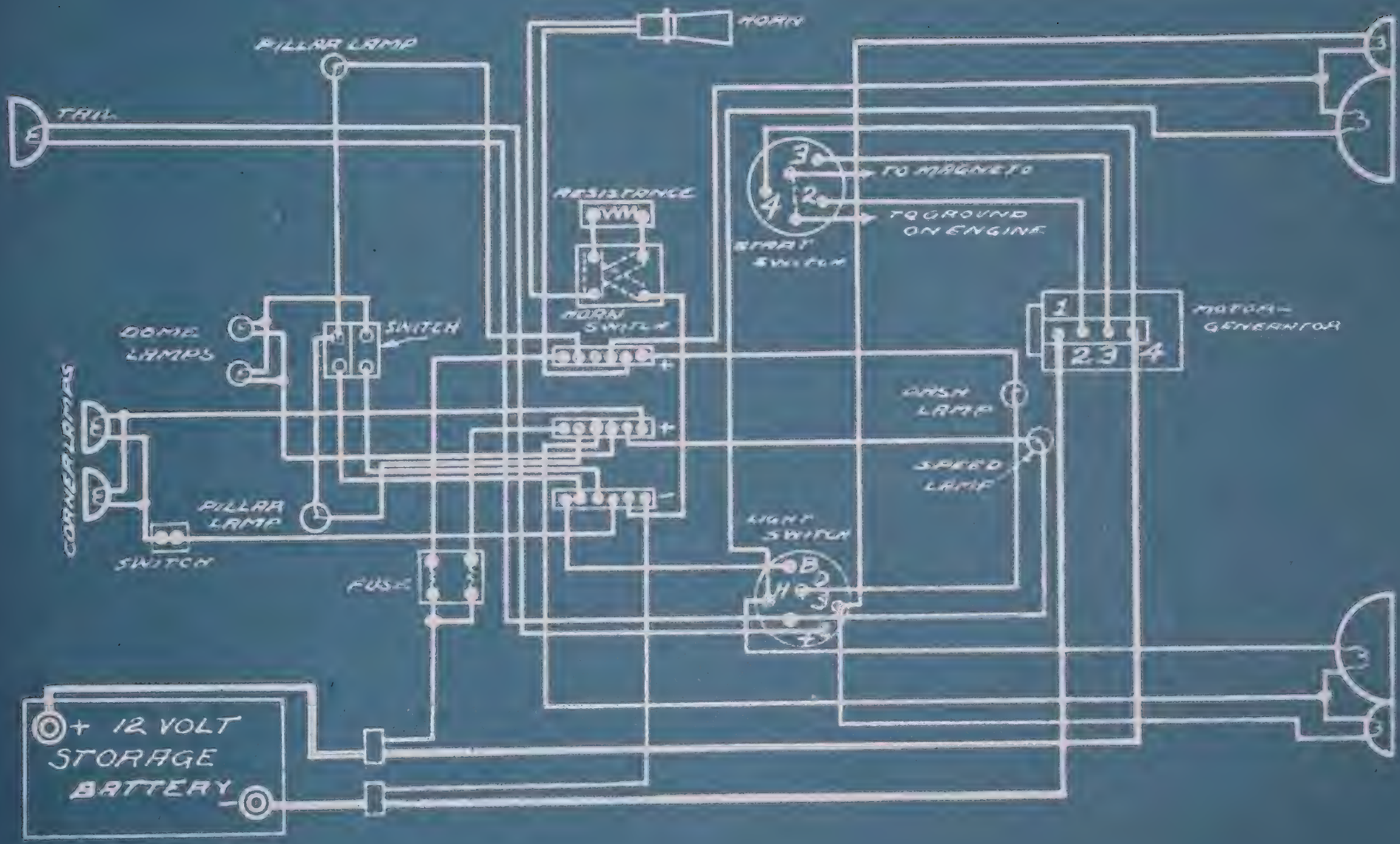
FRANKLIN 1914-15-16. SERIES 6-M

ENTZ SYSTEM USED ON RUNABOUT & TOURING TYPES

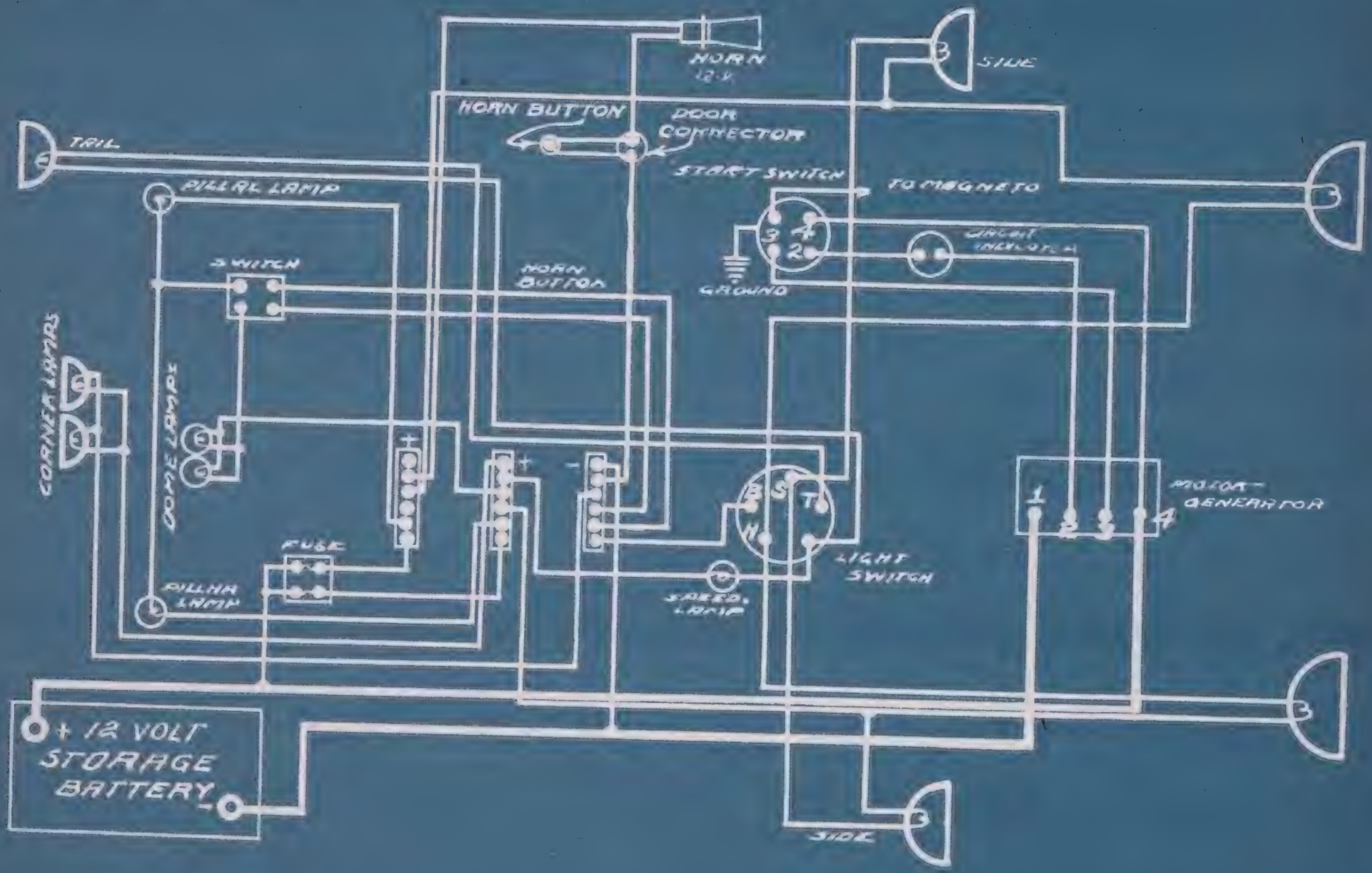


FRANKLIN 1914-15-16 SERIES 6-M

ENTZ SYSTEM USED ON SEDAN TYPE

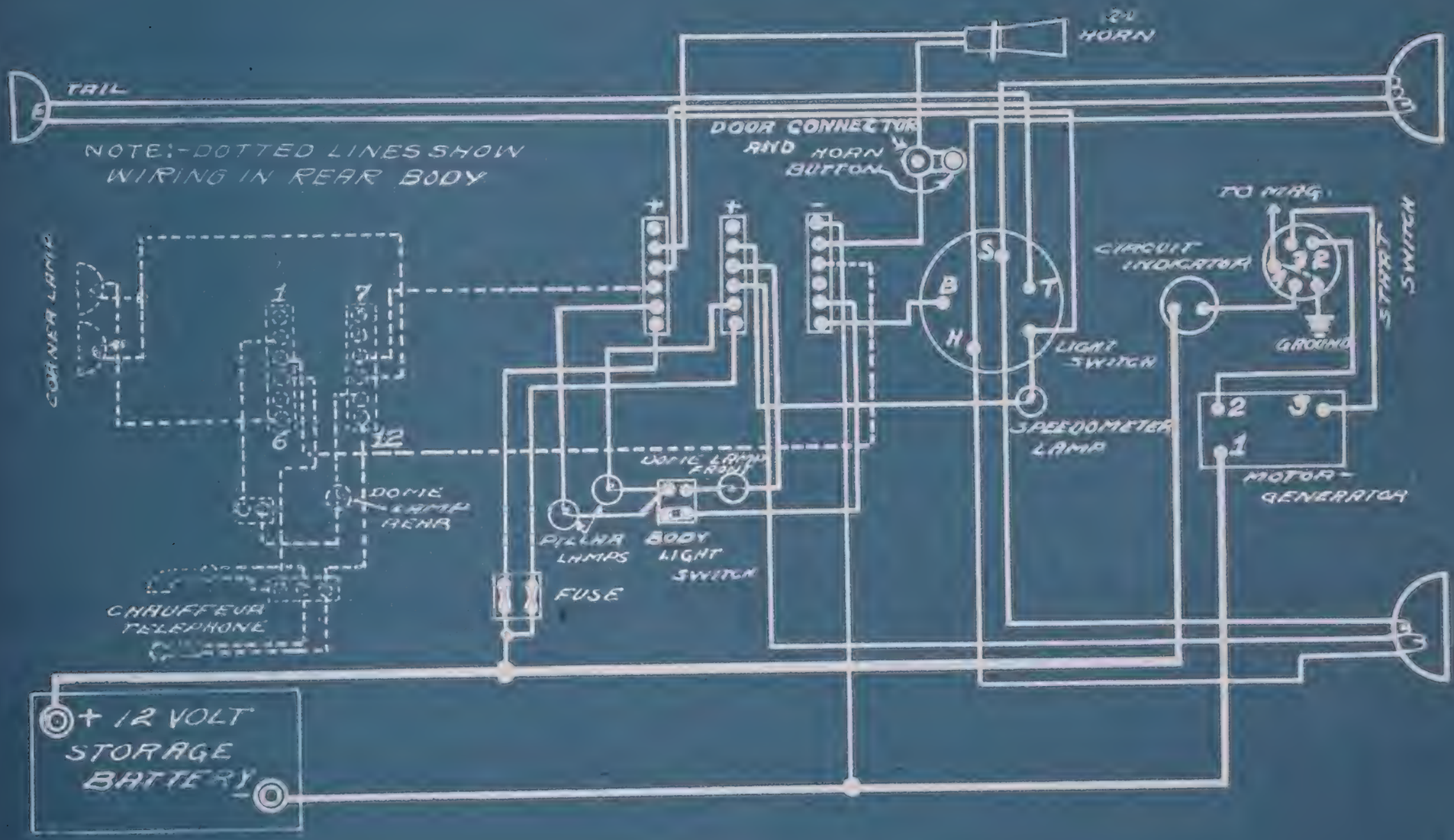


FRANKLIN 1915
DYNETO SYSTEM USED ON SEDAN TYPE



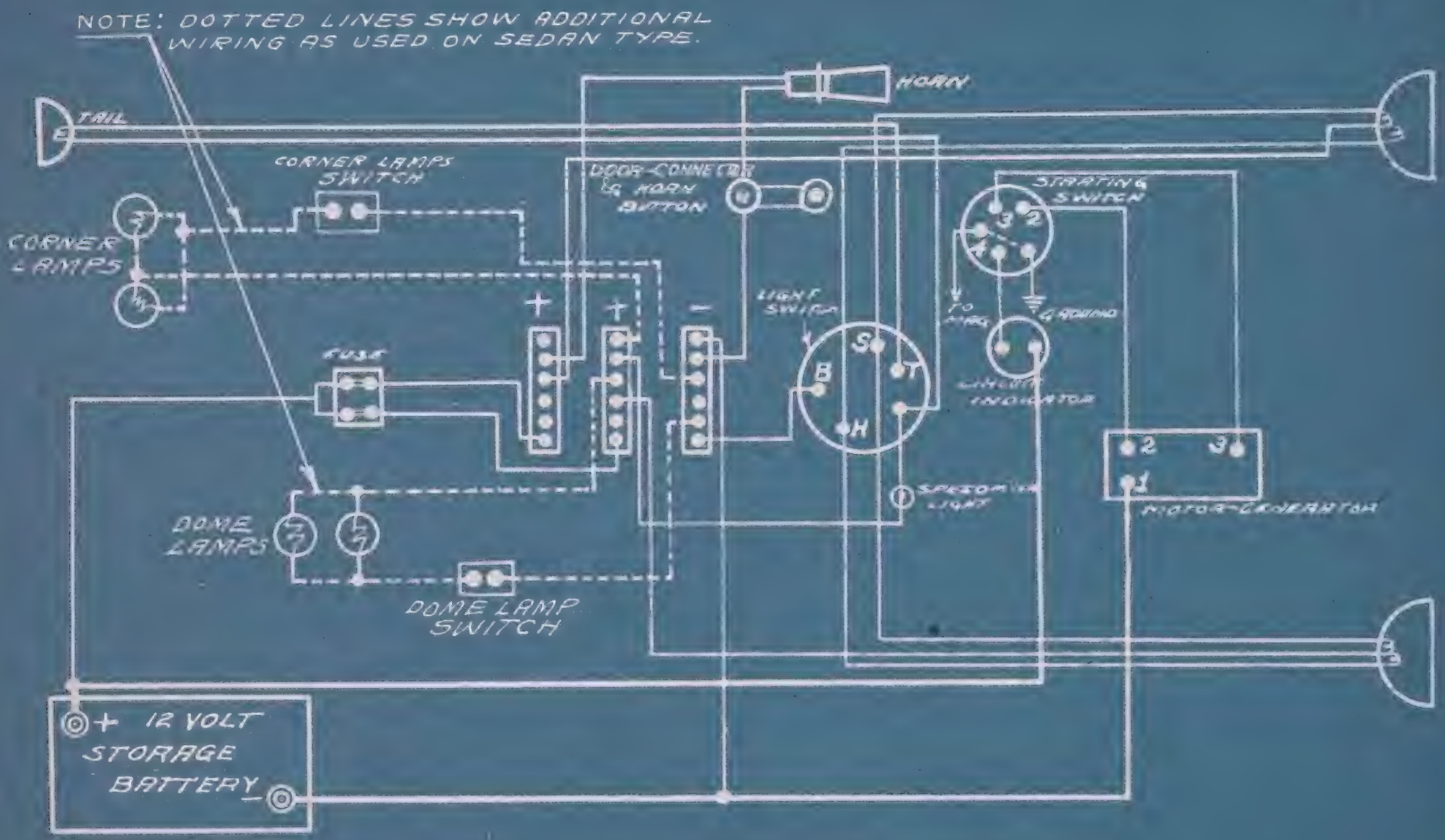
FRANKLIN 1916

DYNETO SYSTEM USED ON BERLINE TYPE



FRANKLIN 1916 SERIES 8-M

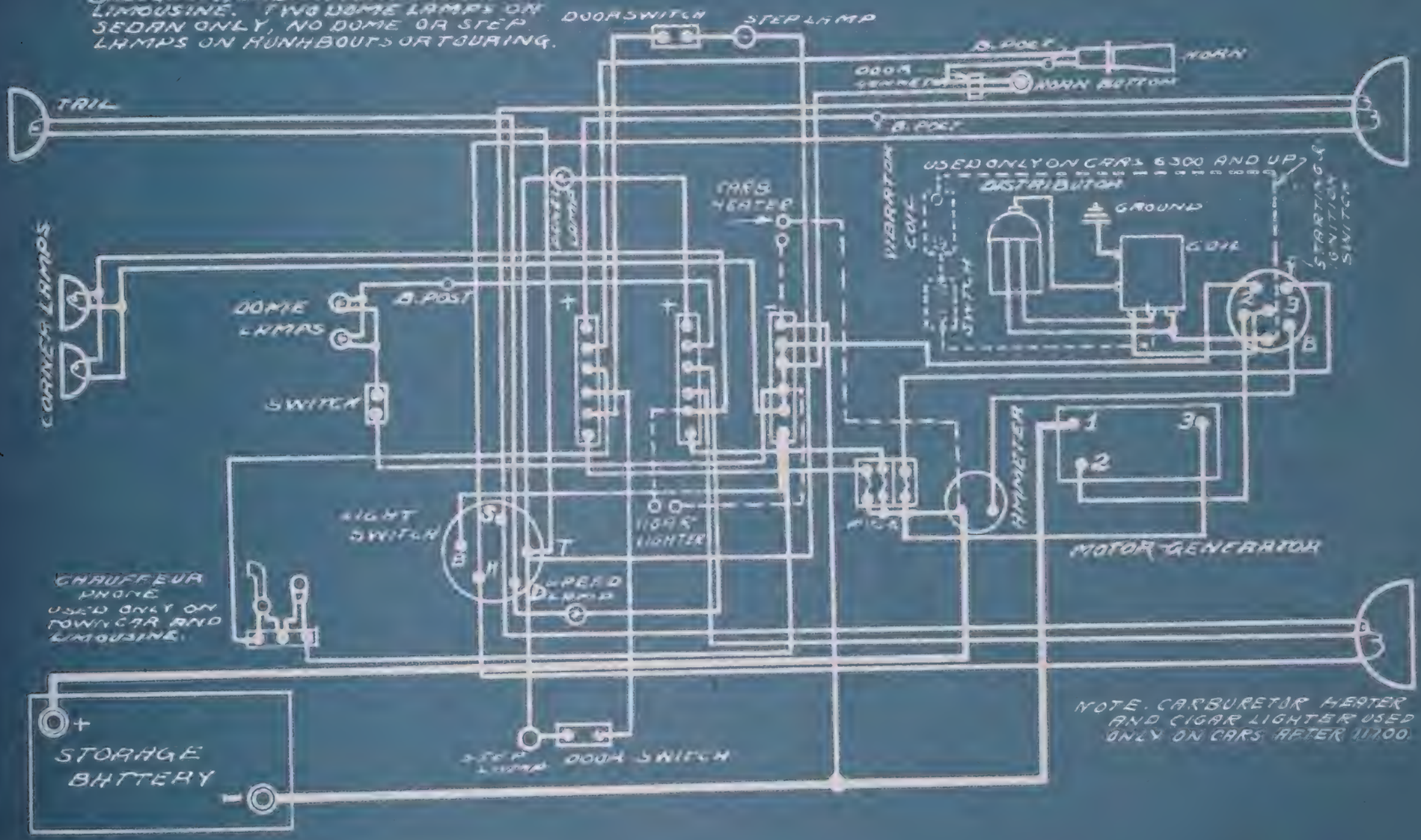
DYNETO SYSTEM USED ON RUNABOUT - TOURING - CONVERTIBLE SEDAN TYPES



FRANKLIN 1917-18-19-20 SERIES 9

DYNETO SYSTEM - H-K IGNITION USED ON ALL MODELS - FIRST 8700 CARS

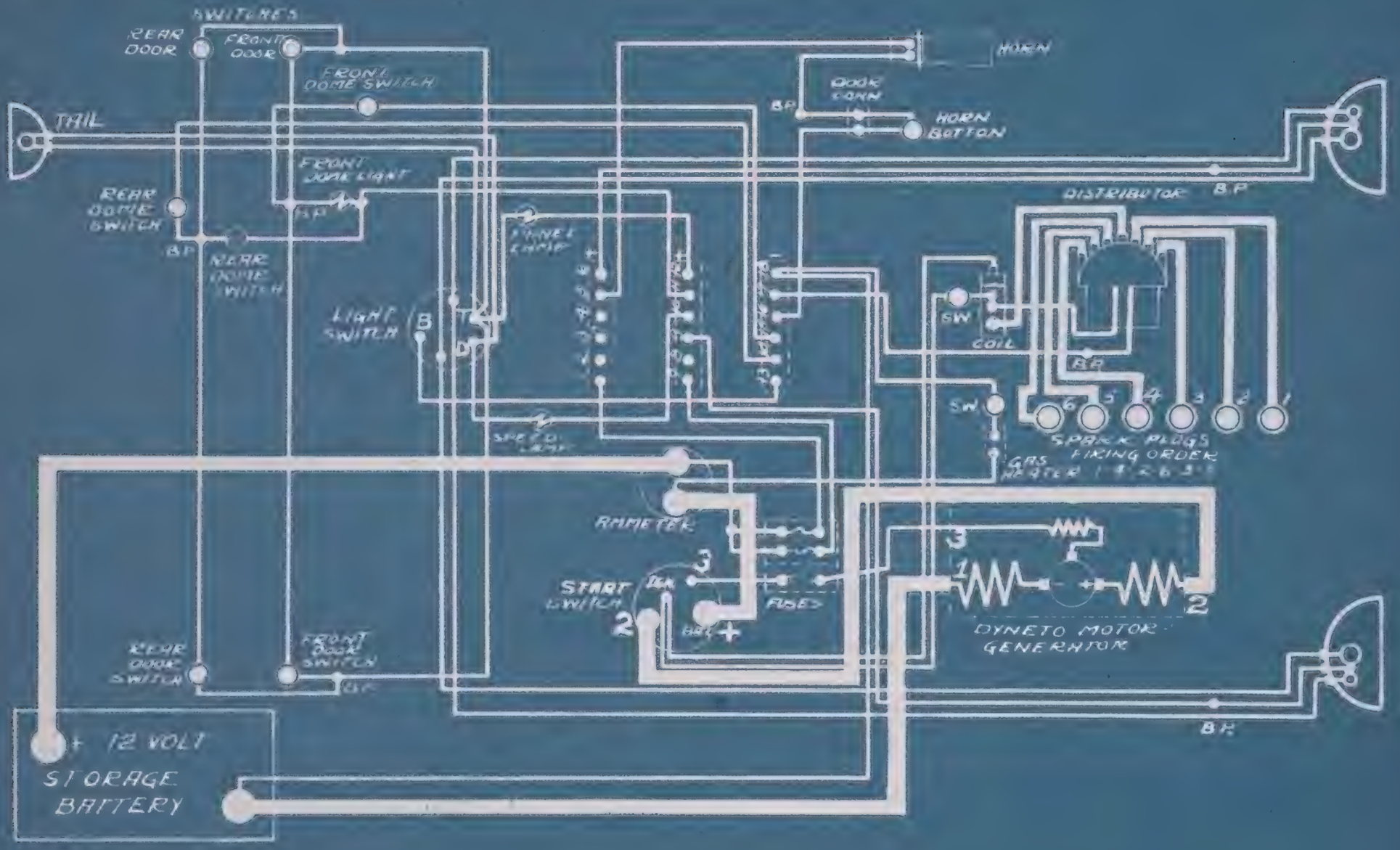
NOTE:-
CORNER LIGHTS USED ONLY ON BROUGHAM, SEDAN, TOWN CAR AND LIMOUSINE. TWO DOME LAMPS ON SEDAN ONLY, NO DOME OR STEP LAMPS ON RUNABOUTS OR TOURING.



NOTE. CARBURETOR HEATER AND CIGAR LIGHTER USED ONLY ON CARS AFTER 11700.

FRANKLIN "SERIES 9" 1921

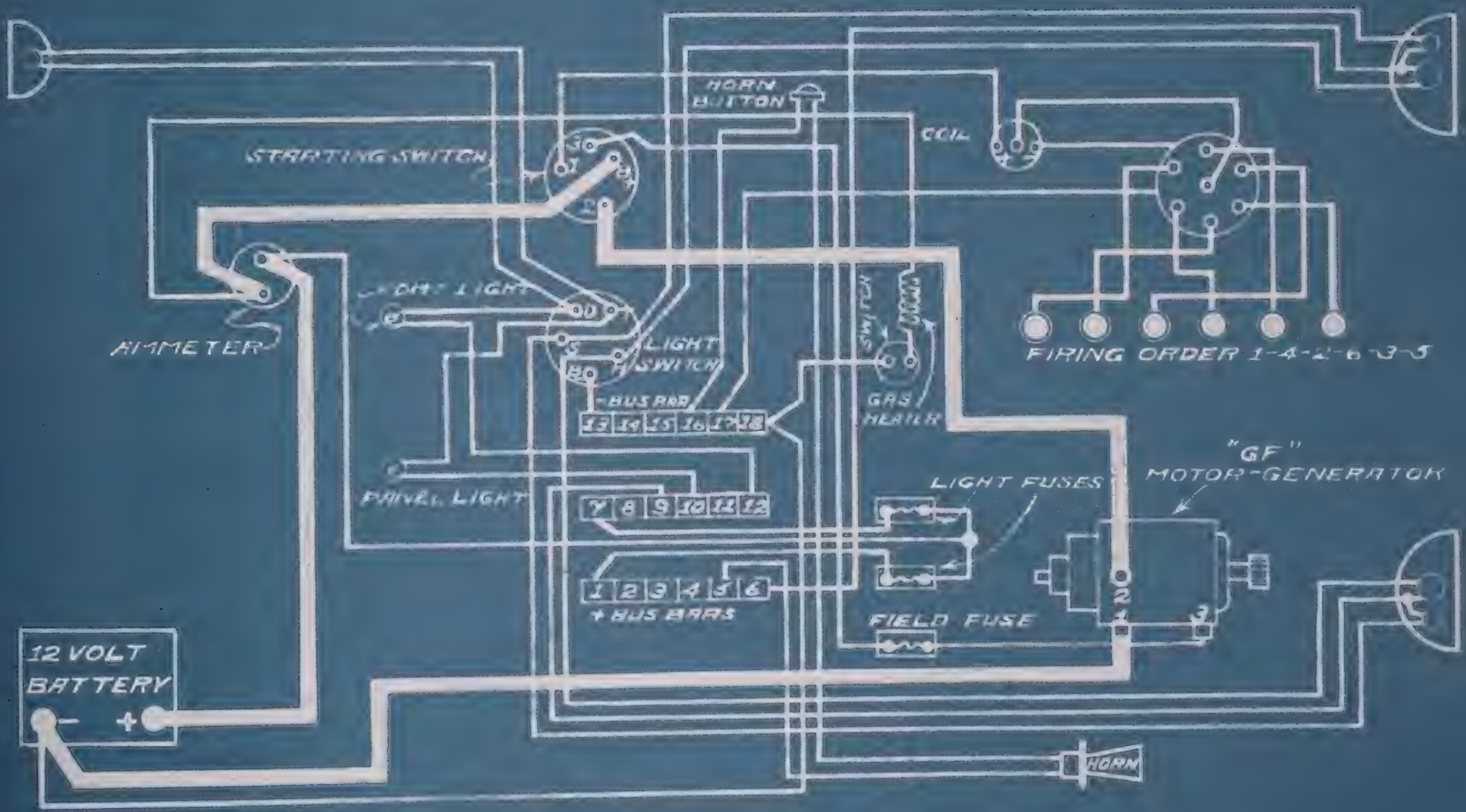
DYNETO SYSTEM. ATWATER-KENT IGN.



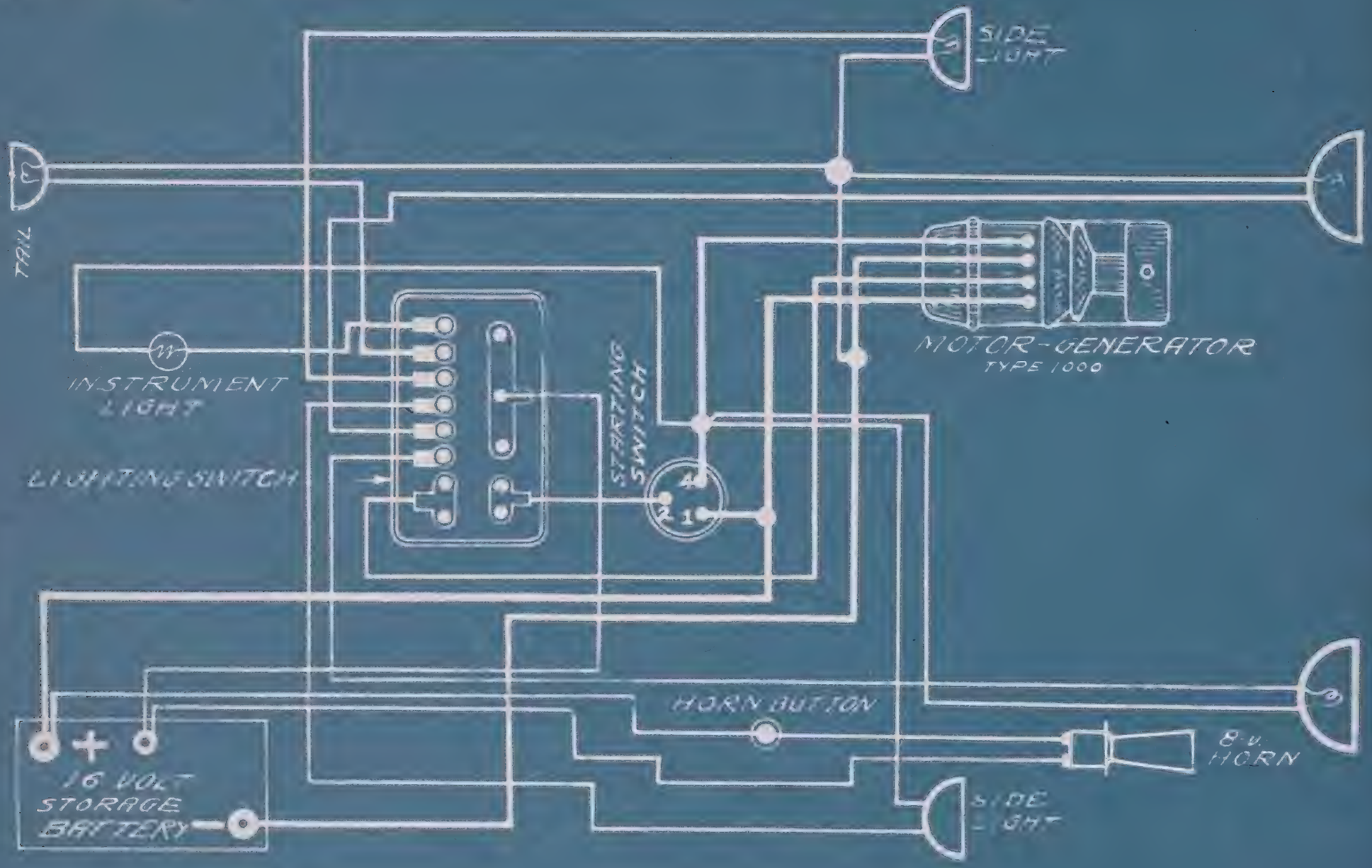
FRANKLIN Series 9-B 1922

NORTH-EAST SYSTEM

ATWATER-KENT IGN.

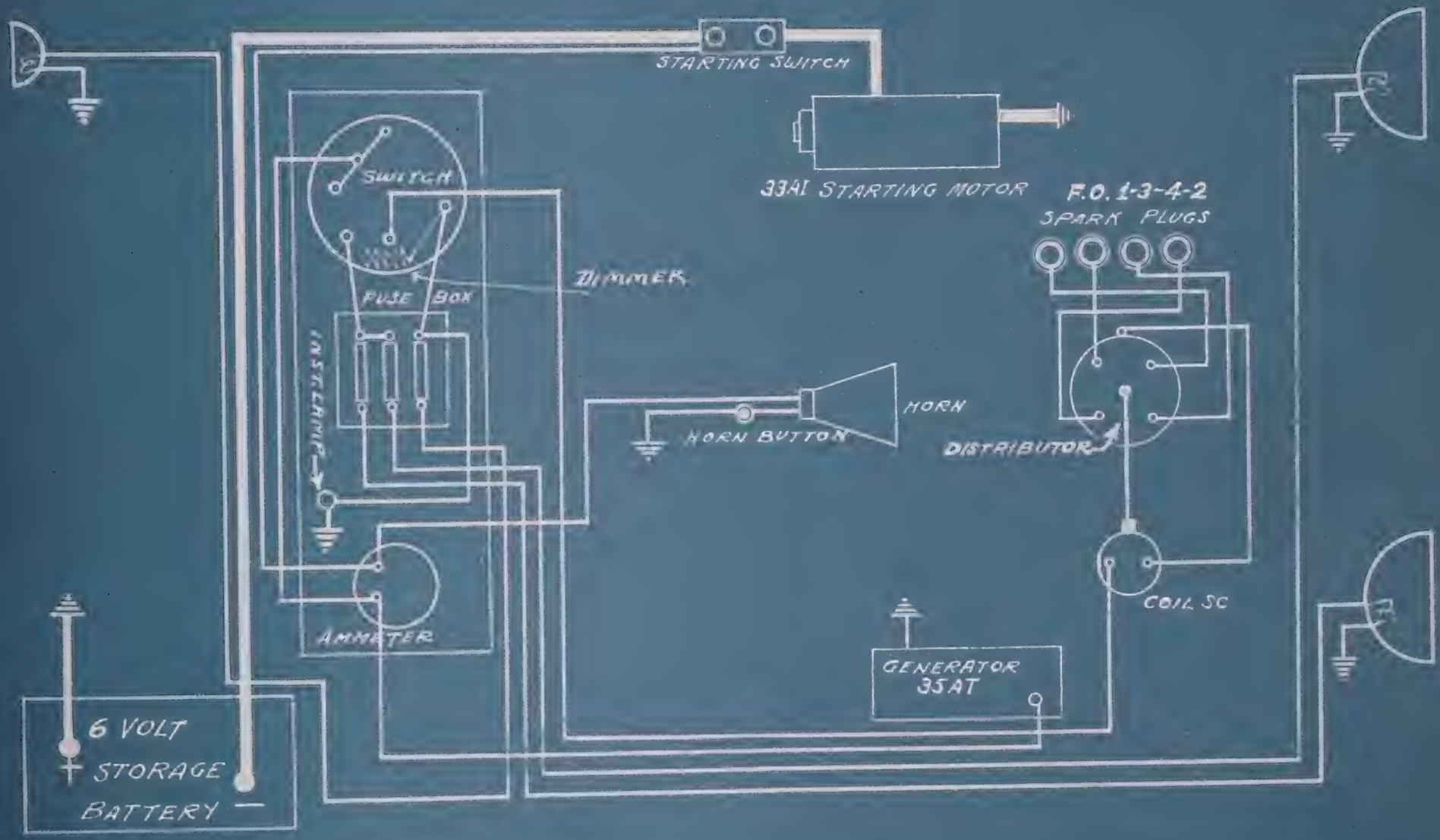


GALT 1913
NORTH-EAST SYSTEM

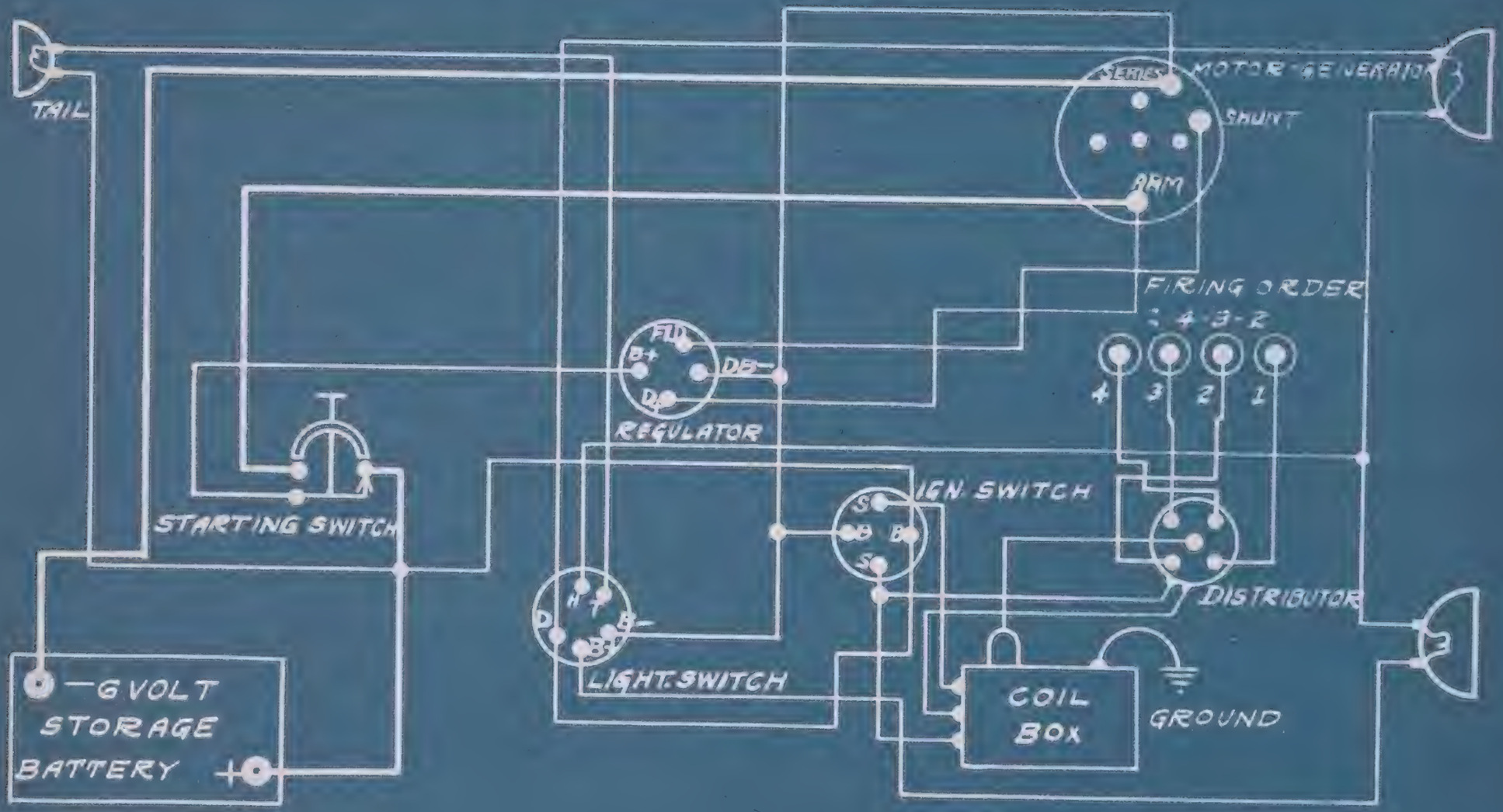


GARDNER MODEL "G" 1920-1921-1922

WESTINGHOUSE SYSTEM



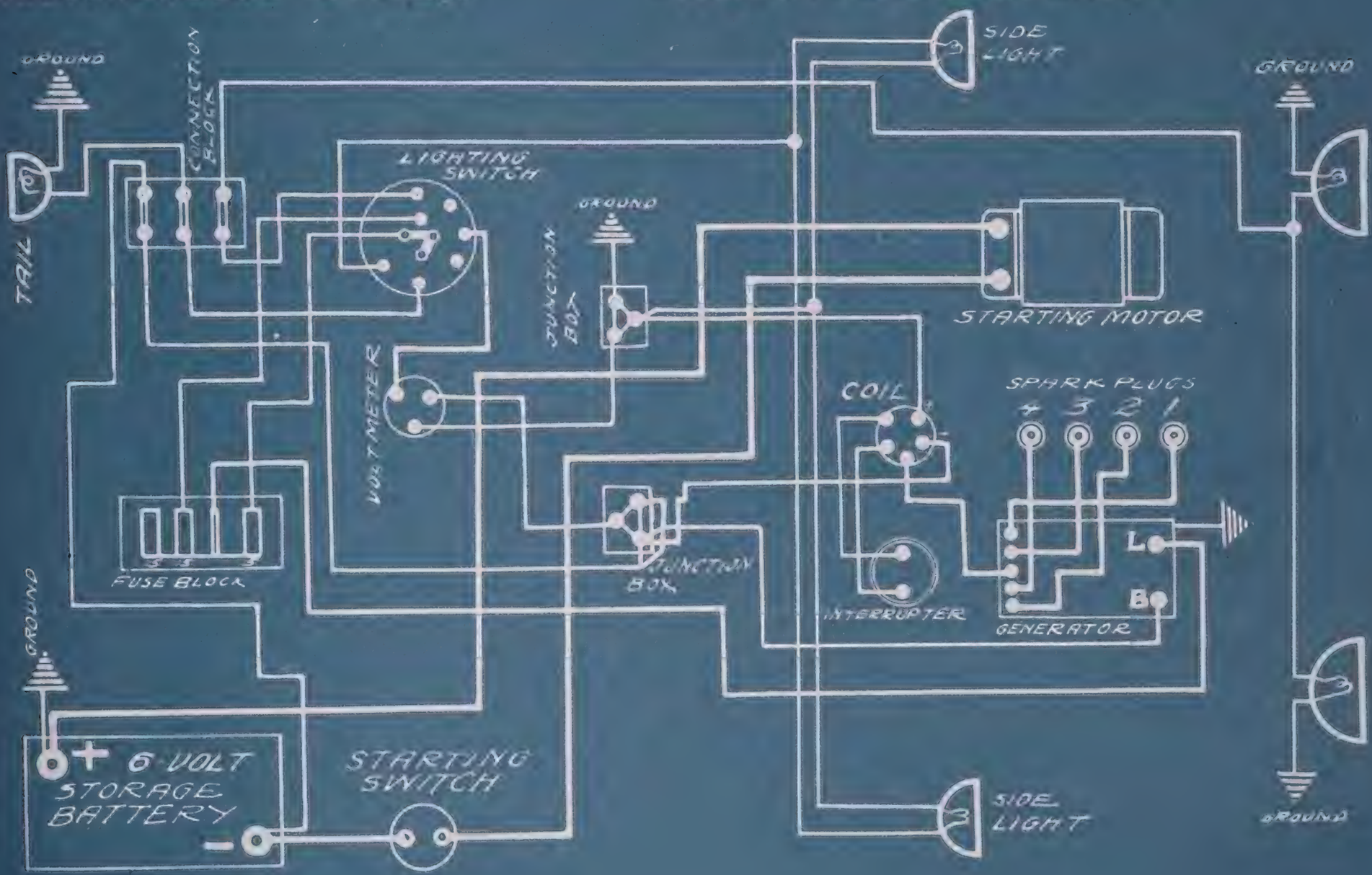
S.G. GAY & CO. 1915
ALLIS-CHALMERS SYSTEM



GLIDE 1913-1914 36-42

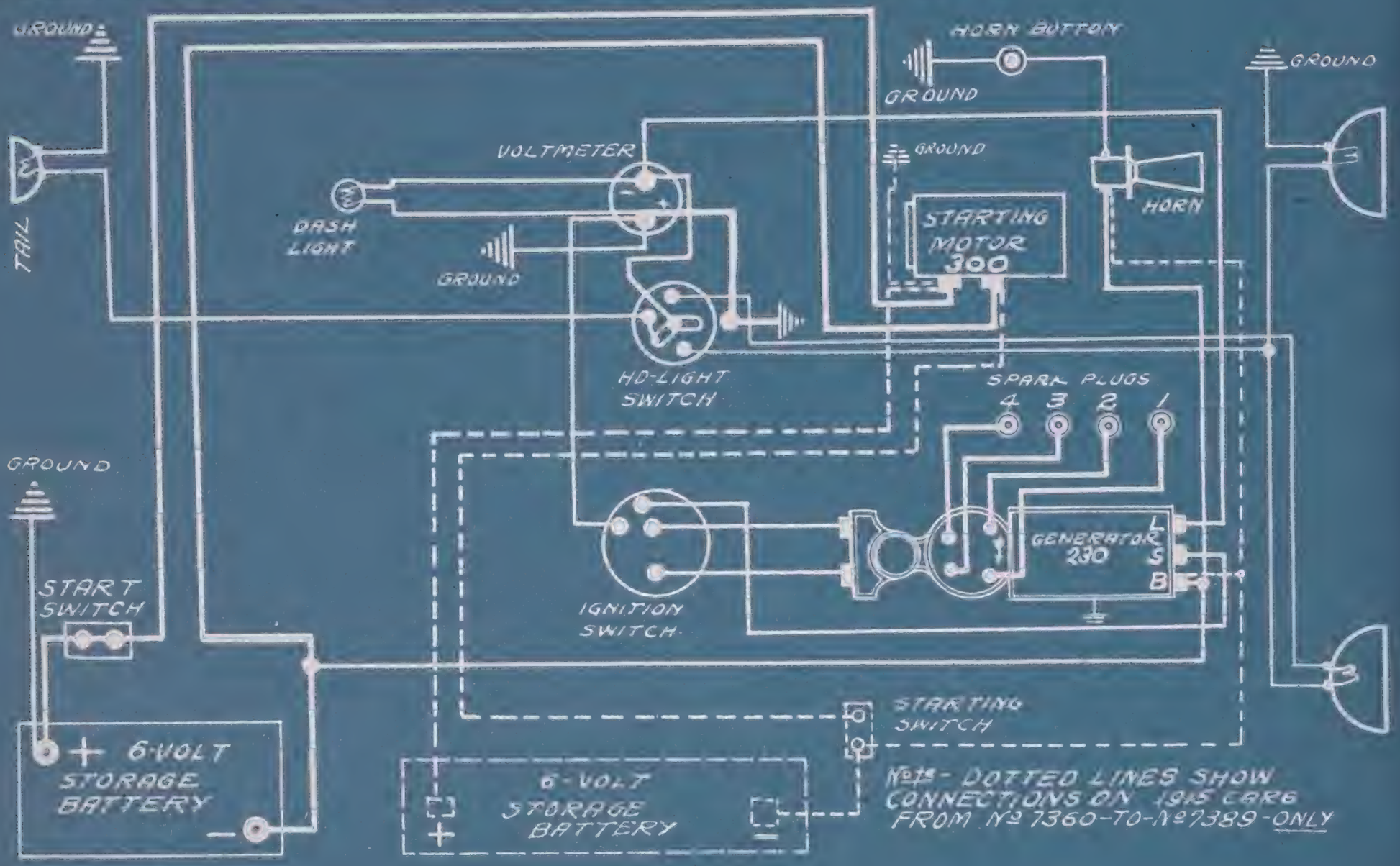
WESTINGHOUSE SYSTEM

- USED ON CARS 5282 AND UP -



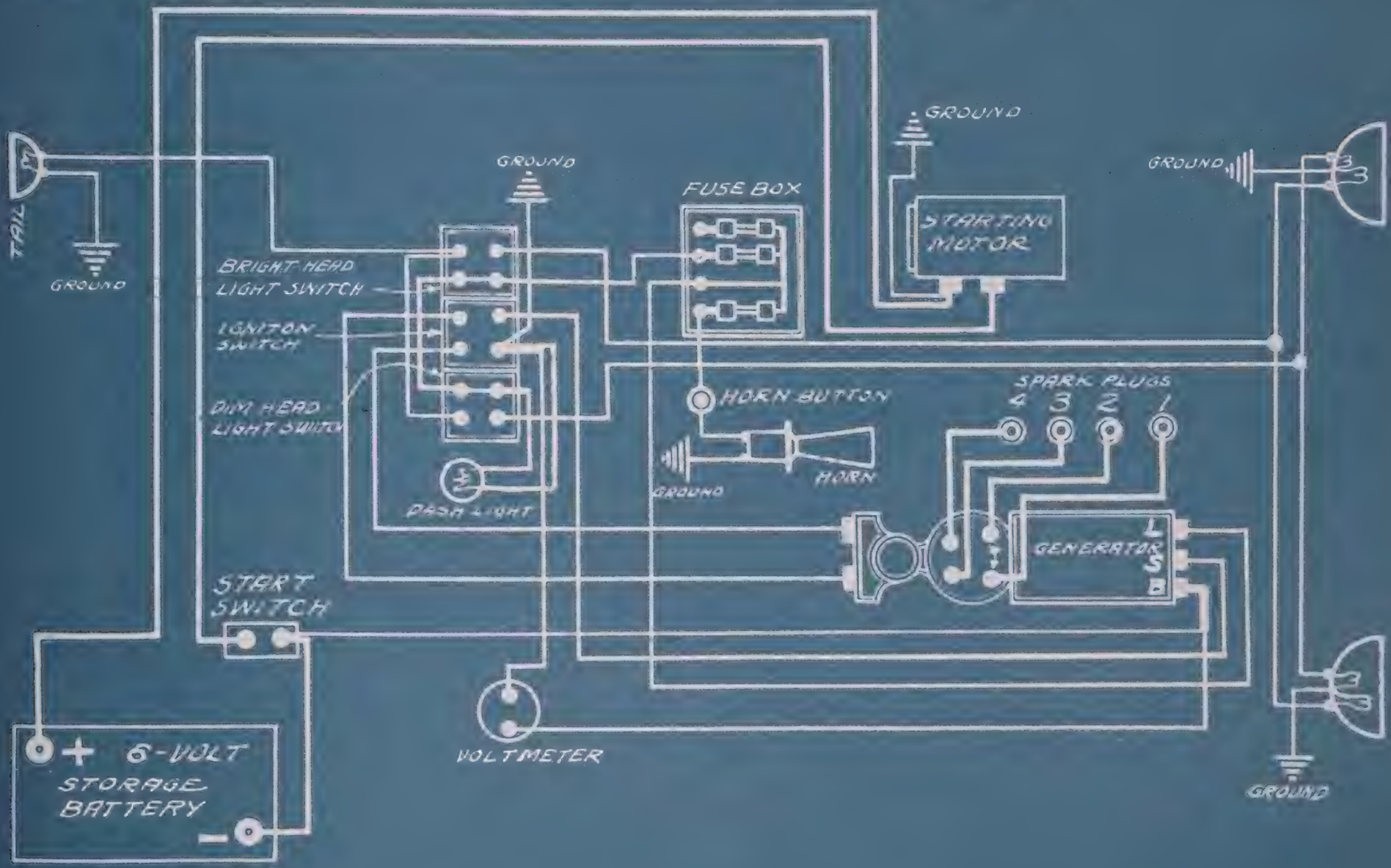
GLIDE 1914 - MODEL-30

WESTINGHOUSE SYSTEM (USED ON CARS FROM #7000 - TO - #7360)

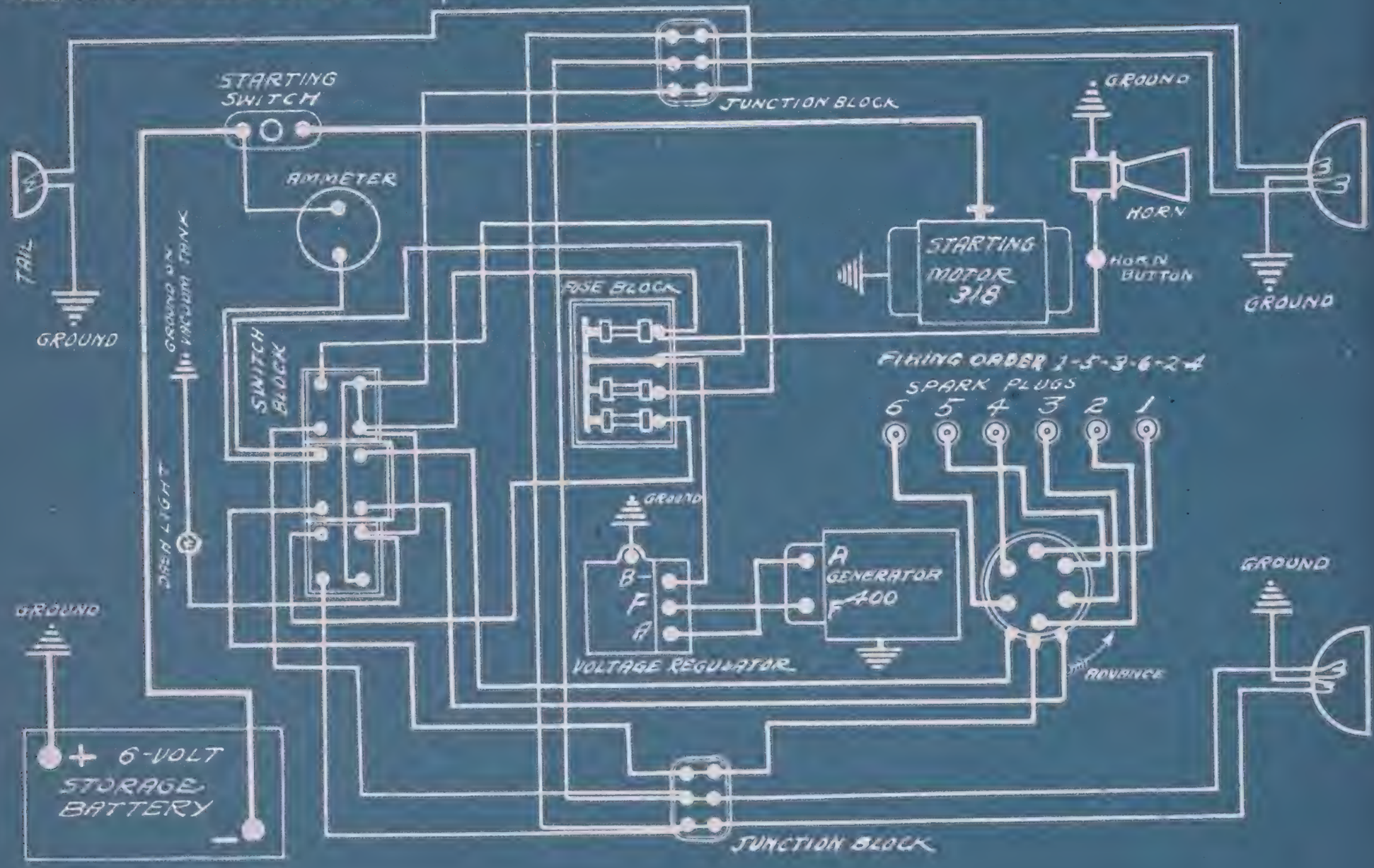


GLIDE 1915 MODEL 30

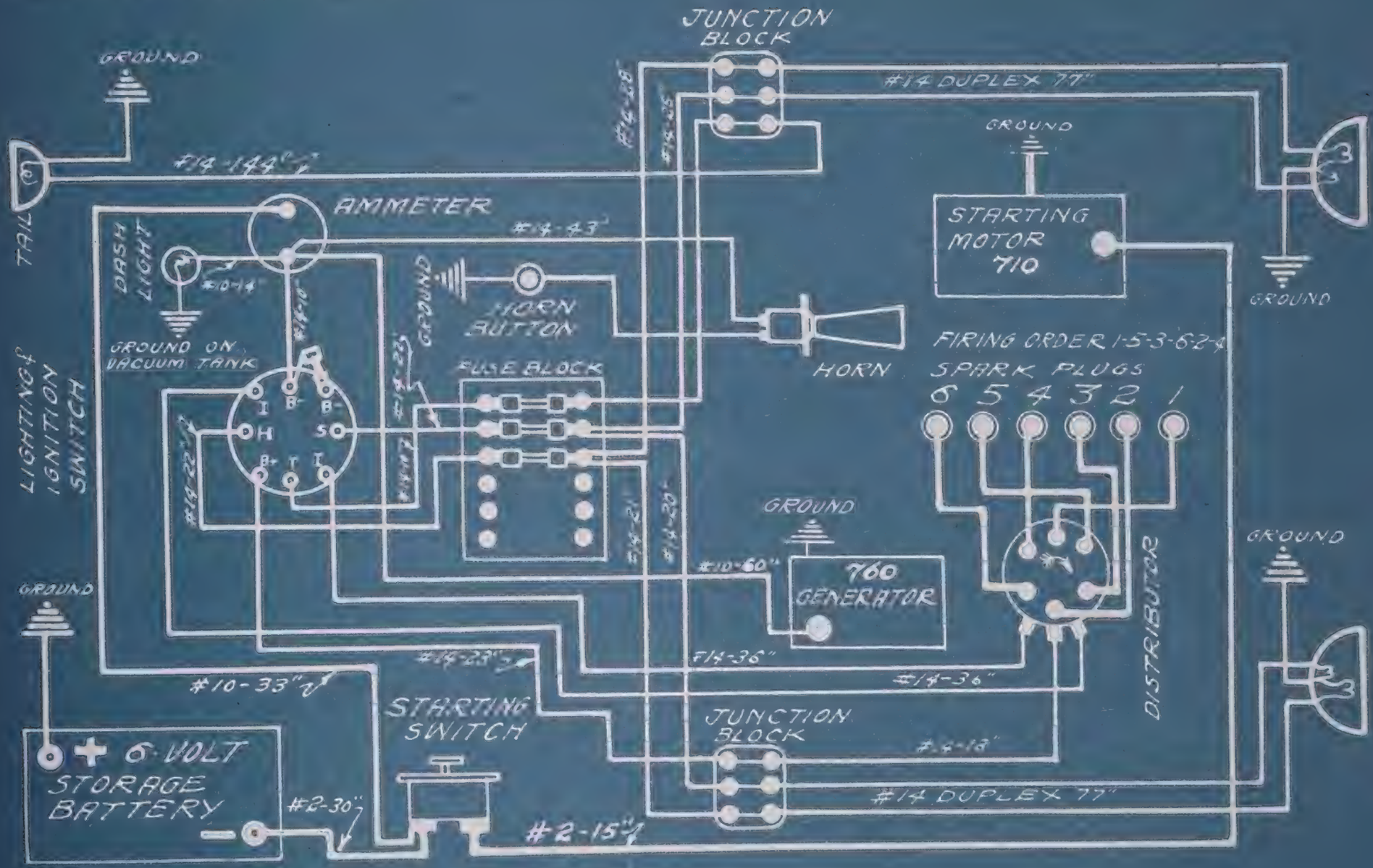
WESTINGHOUSE SYSTEM (USED ON CARS FROM #7389 - TO - #7698)



GLIDE 1916-1917 SIX-40
WESTINGHOUSE SYSTEM (USED ON CARS FROM #9000-TO-#10255)

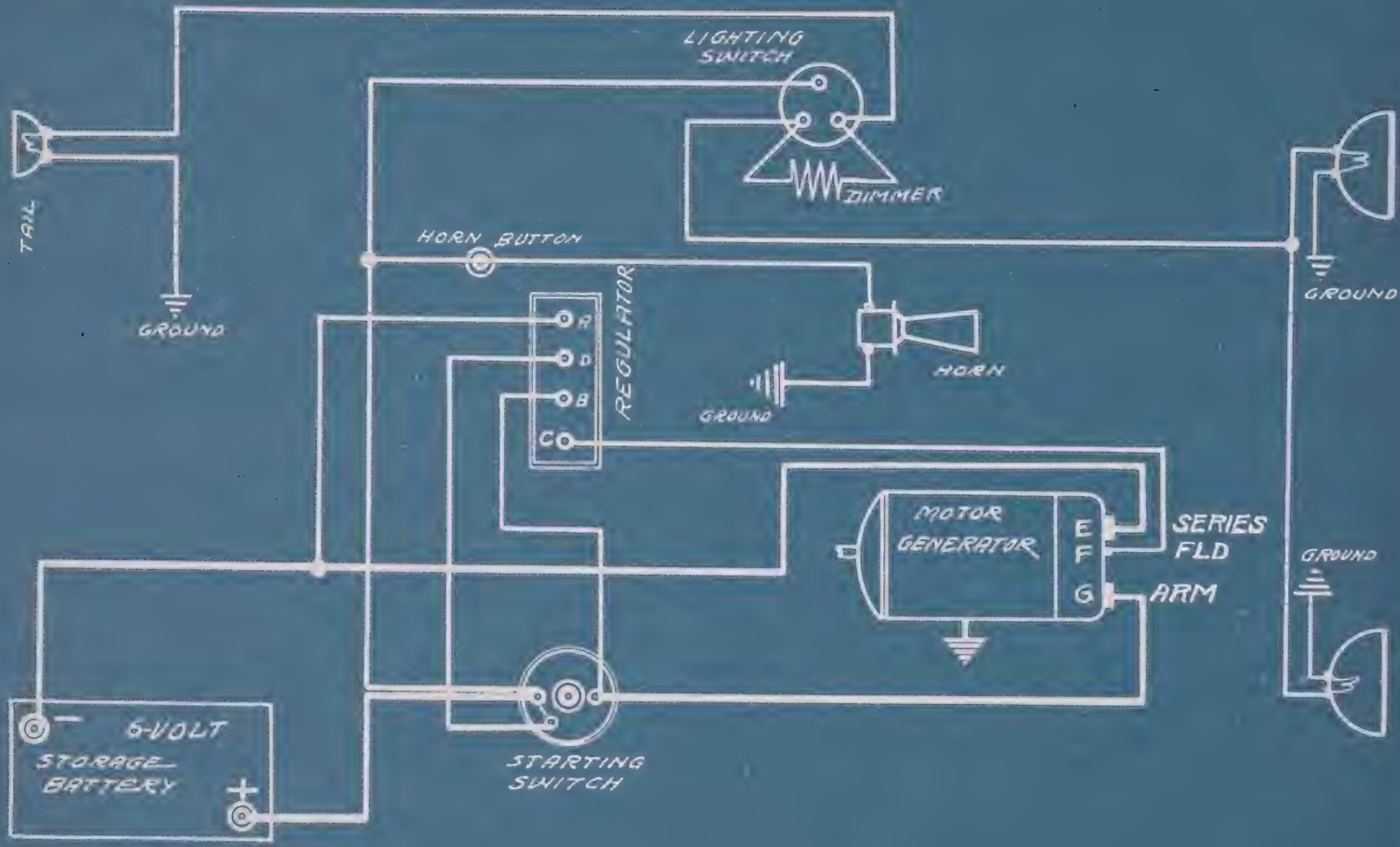


GLIDE 1918 LIGHT SIX 40
WESTINGHOUSE SYSTEM



GRANT 1915-1916 "4"

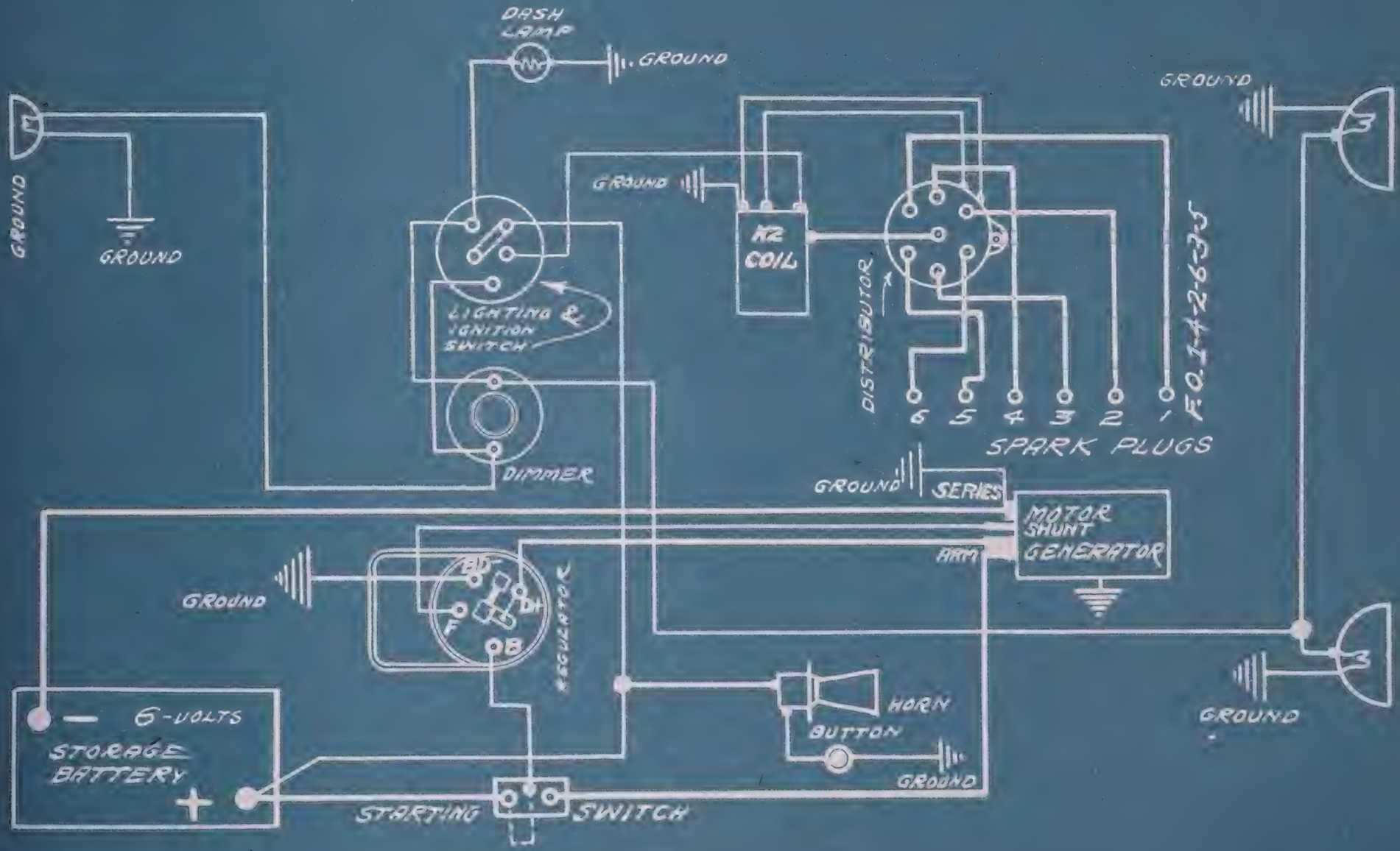
ALLIS-CHALMERS SYSTEM
ATWATER-KENT IGN.

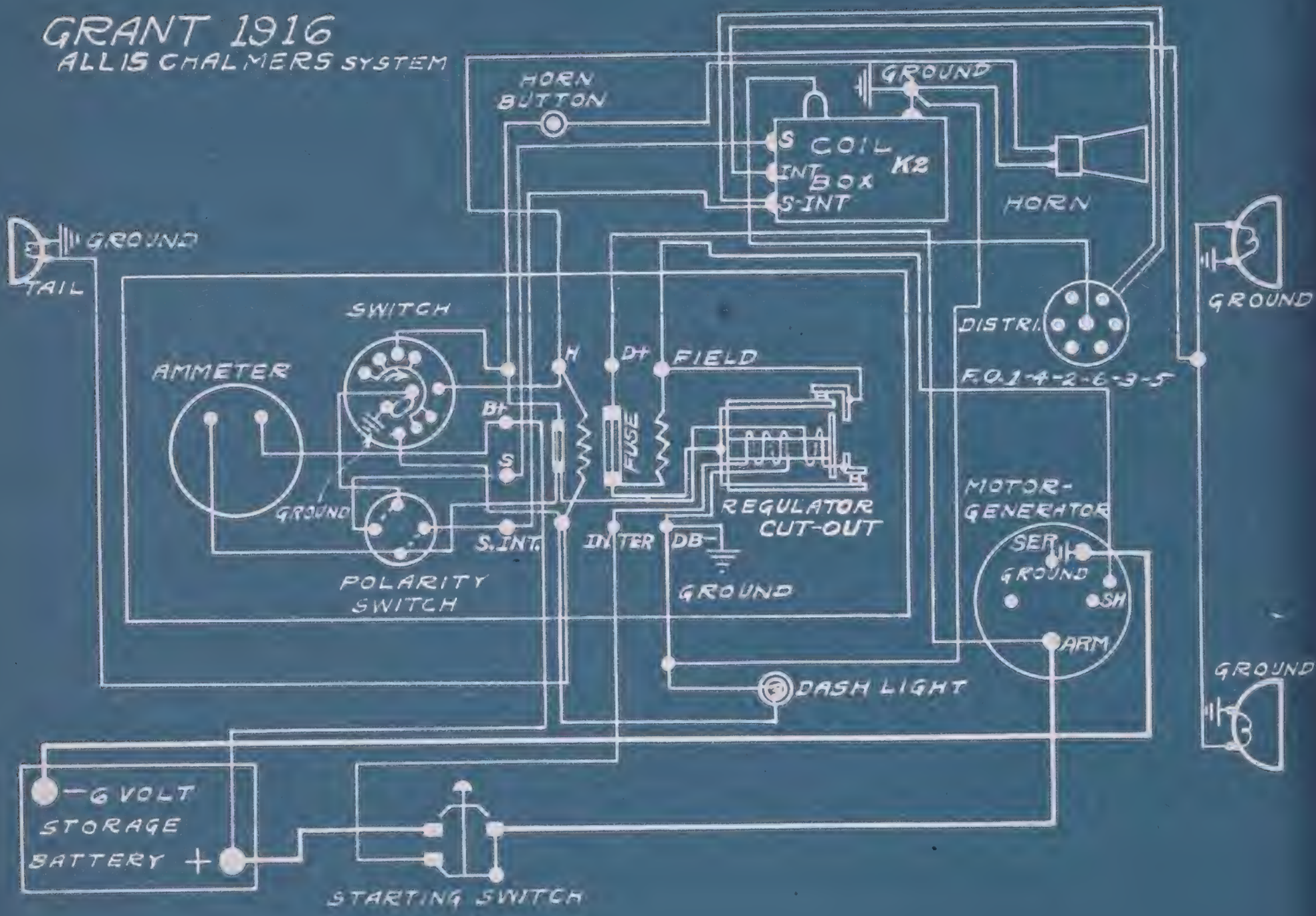


GRANT 1915-1916 "6"

ALLIS-CHALMERS SYSTEM

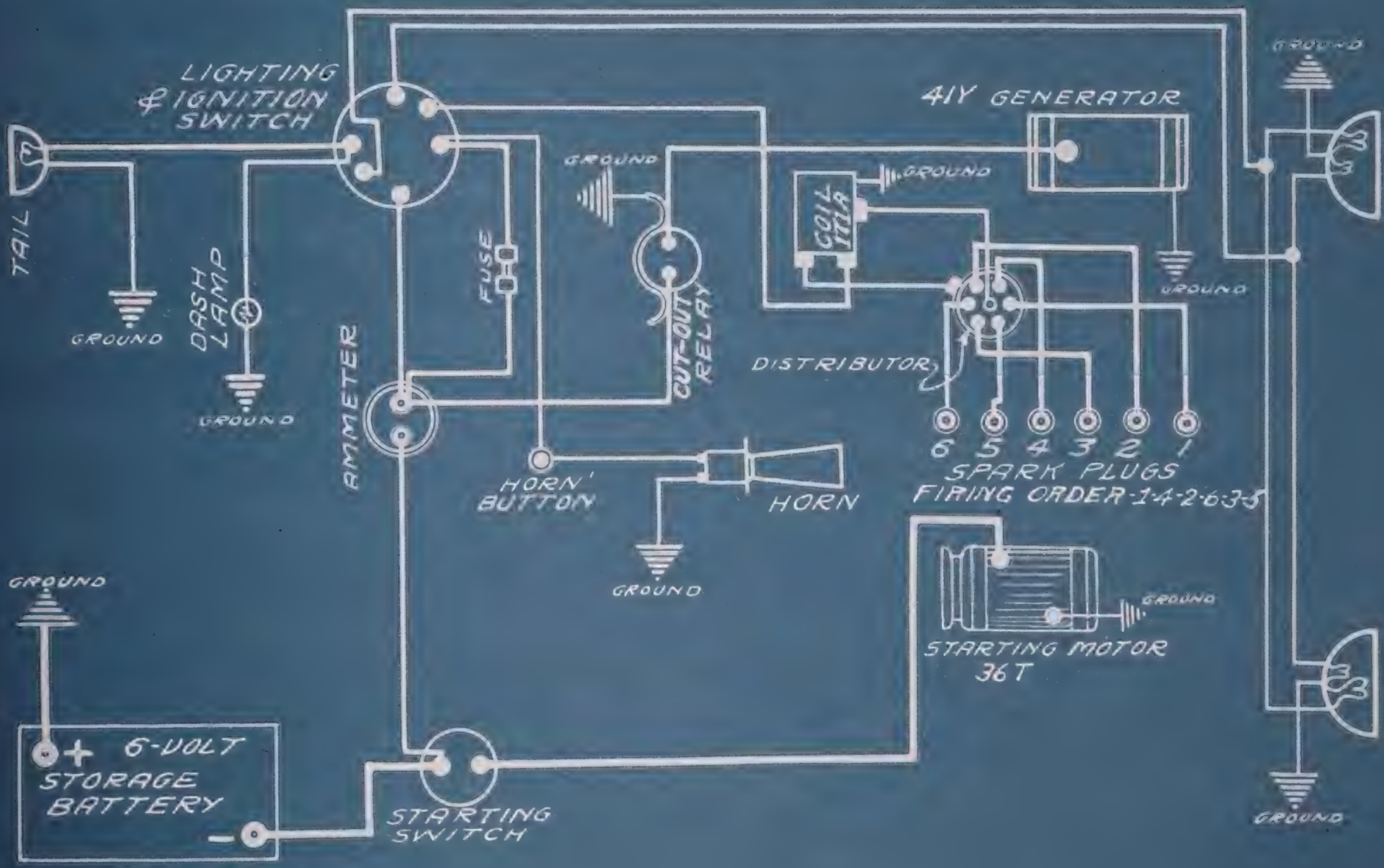
ATWATER-KENT IGN.

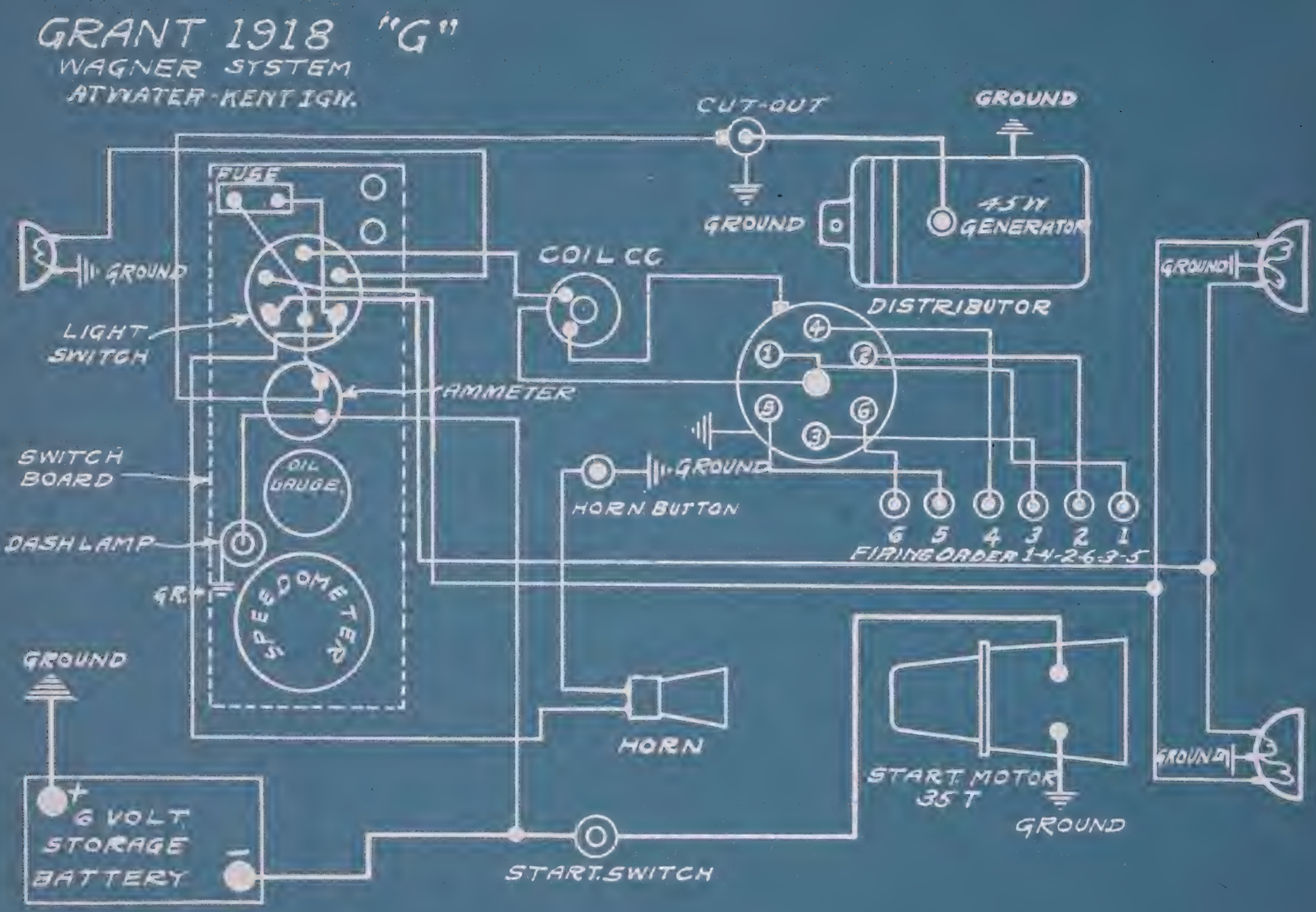



GRANT 1916
ALLIS CHALMERS SYSTEM
HORN BUTTON
GROUND
S COIL
INT BOX
S-INT
K2
HORN
GROUND
TAIL
GROUND
SWITCH
AMMETER
H
D+
FIELD
DISTRI
F.O.1-4-2-6-3-5
GROUND
B+
S
FUSE
REGULATOR
CUT-OUT
MOTOR-
GENERATOR
GROUND
S.INT.
DB-
SER
GROUND
SH
ARM
POLARITY
SWITCH
GROUND
DASH LIGHT
GROUND
-6 VOLT
STORAGE
BATTERY +
STARTING SWITCH

GRANT 1916-17-18 "K"

WAGNER SYSTEM WITH REMY IGNITION

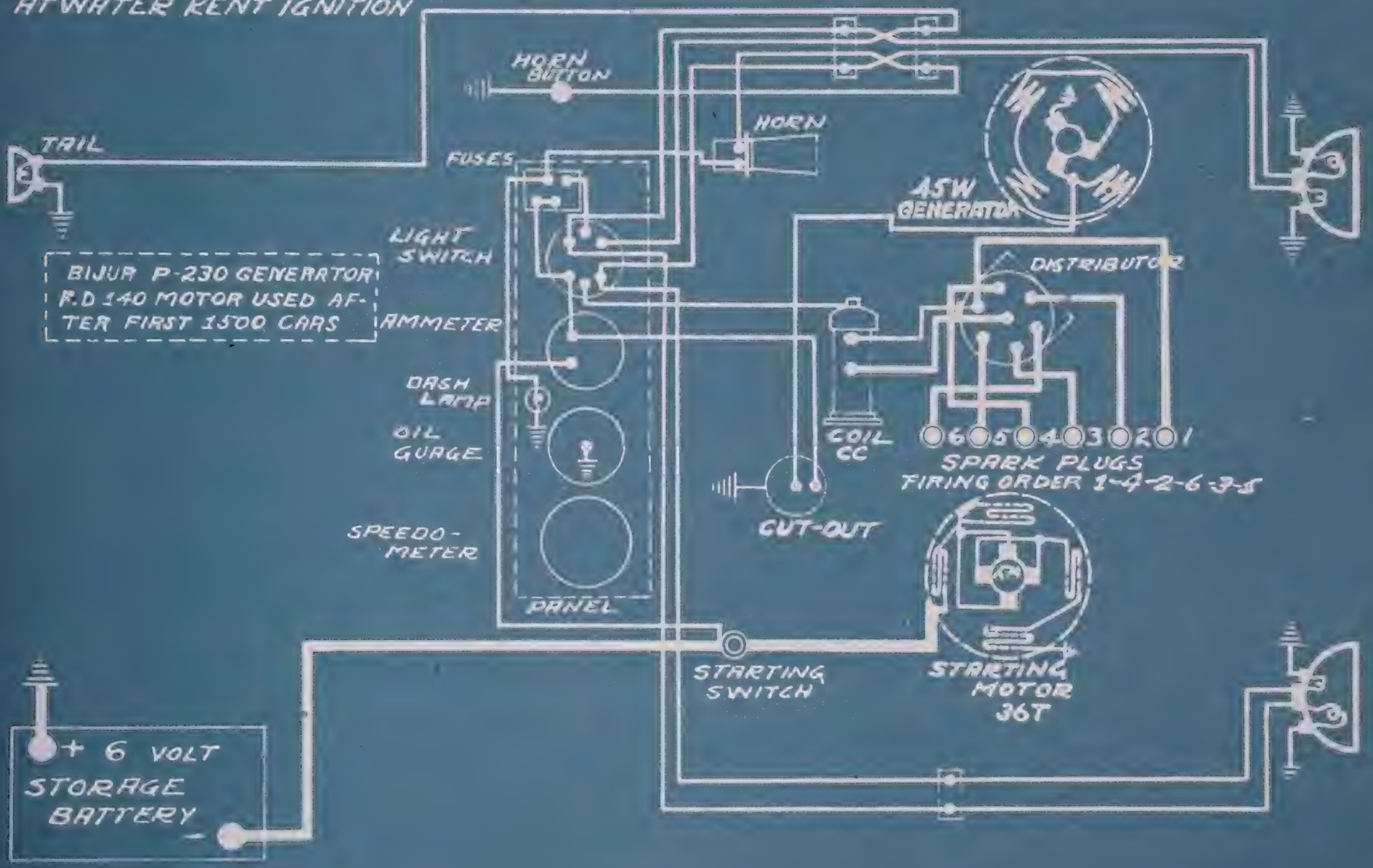



GRANT 1918 "G"
WAGNER SYSTEM
ATWATER-KENT IGN.
CUT-OUT
GROUND
GROUND
45 W GENERATOR
FUSE
GROUND
COIL CC
DISTRIBUTOR
LIGHT SWITCH
AMMETER
SWITCH BOARD
OIL GAUGE
GROUND
HORN BUTTON
DASH LAMP
6 5 4 3 2 1
FIRING ORDER 1-4-2-6-3-5
GR.
SPEEDOMETER
GROUND
HORN
START MOTOR 35 T
GROUND
6 VOLT STORAGE BATTERY
START SWITCH

GRANT MODEL H 1920 & HY 1921

WAGNER STARTING AND LIGHTING

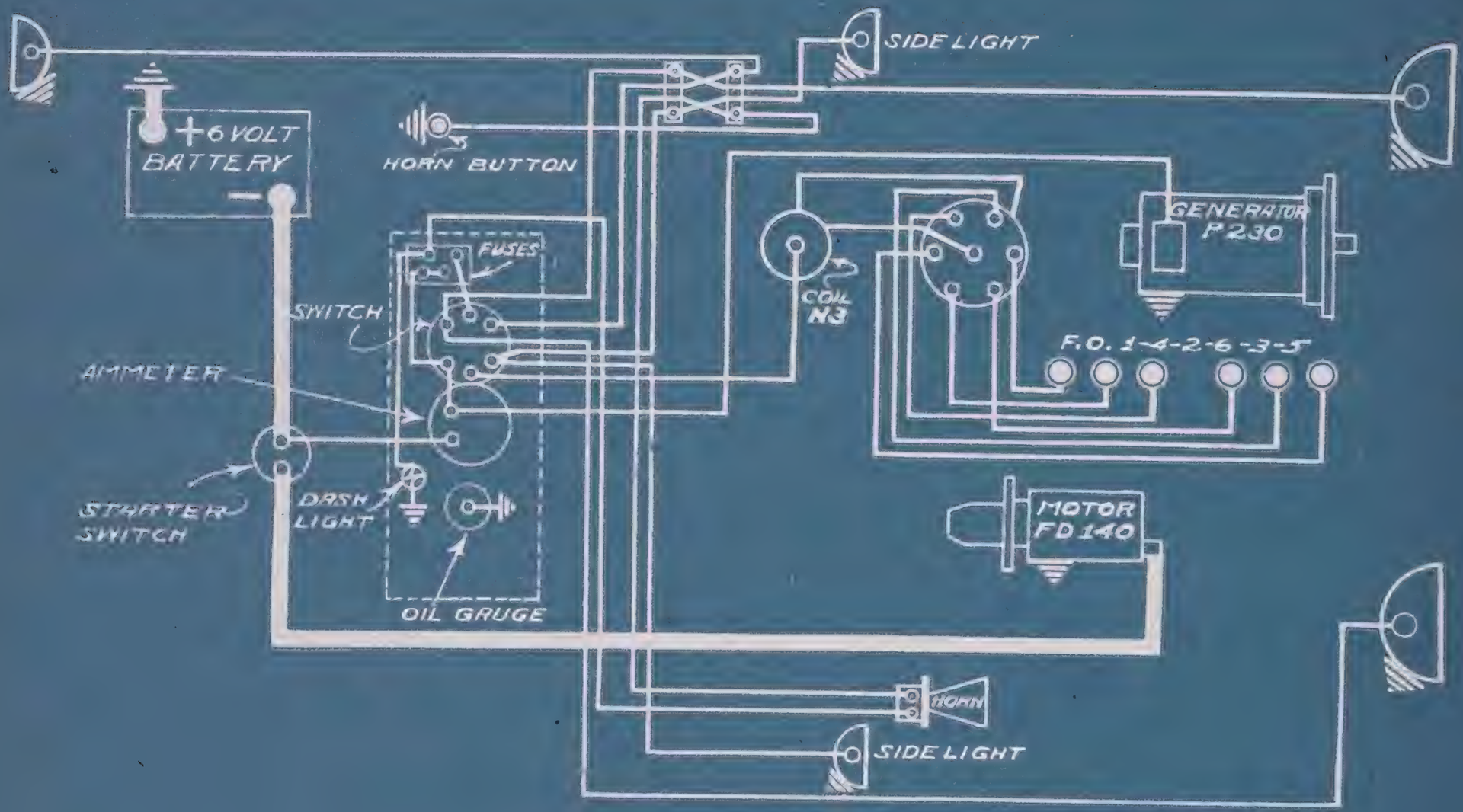
ATWATER KENT IGNITION



GRANT "H" 1921-22

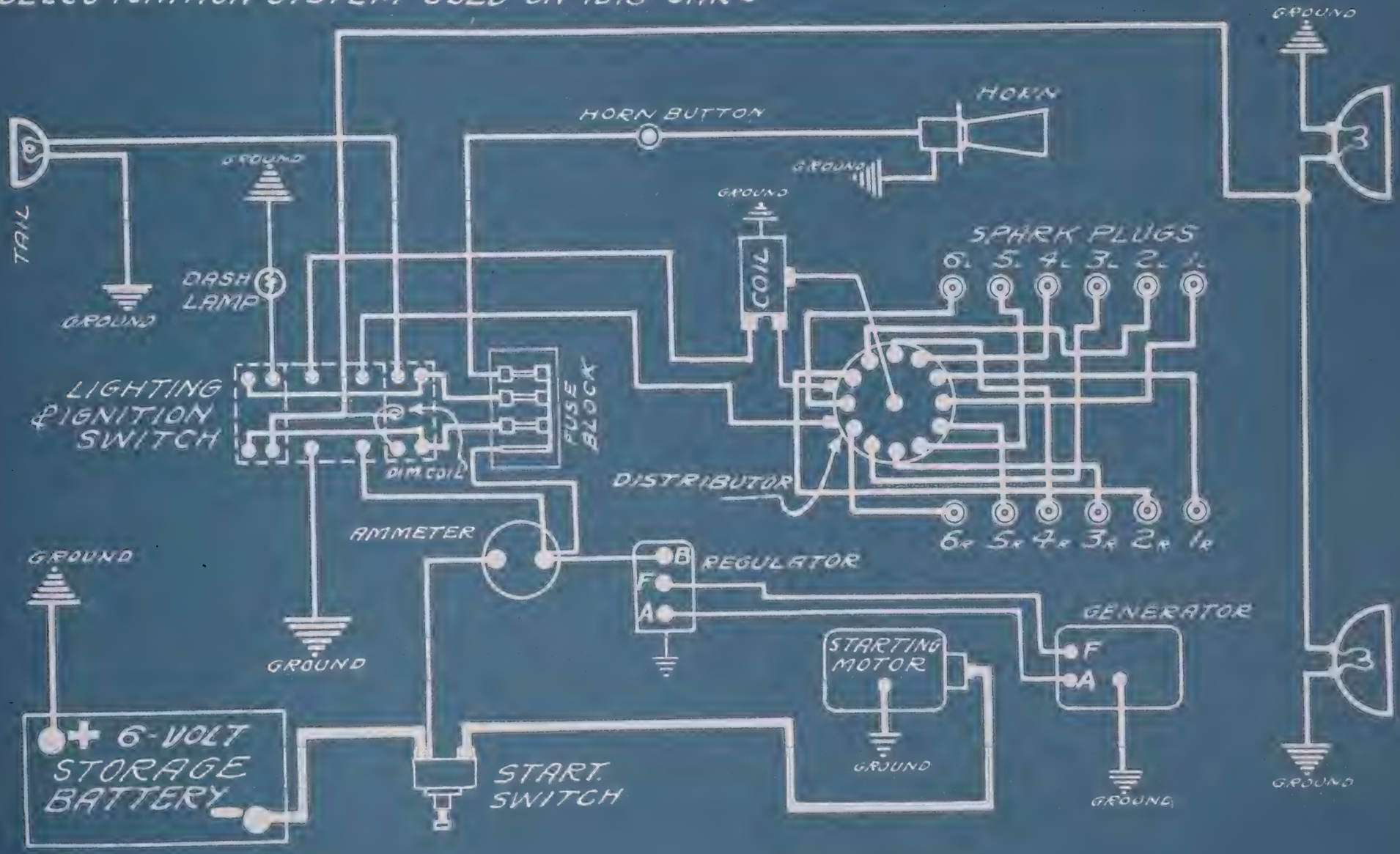
BIJUR SYSTEM

ATWATER-KENT IGN.

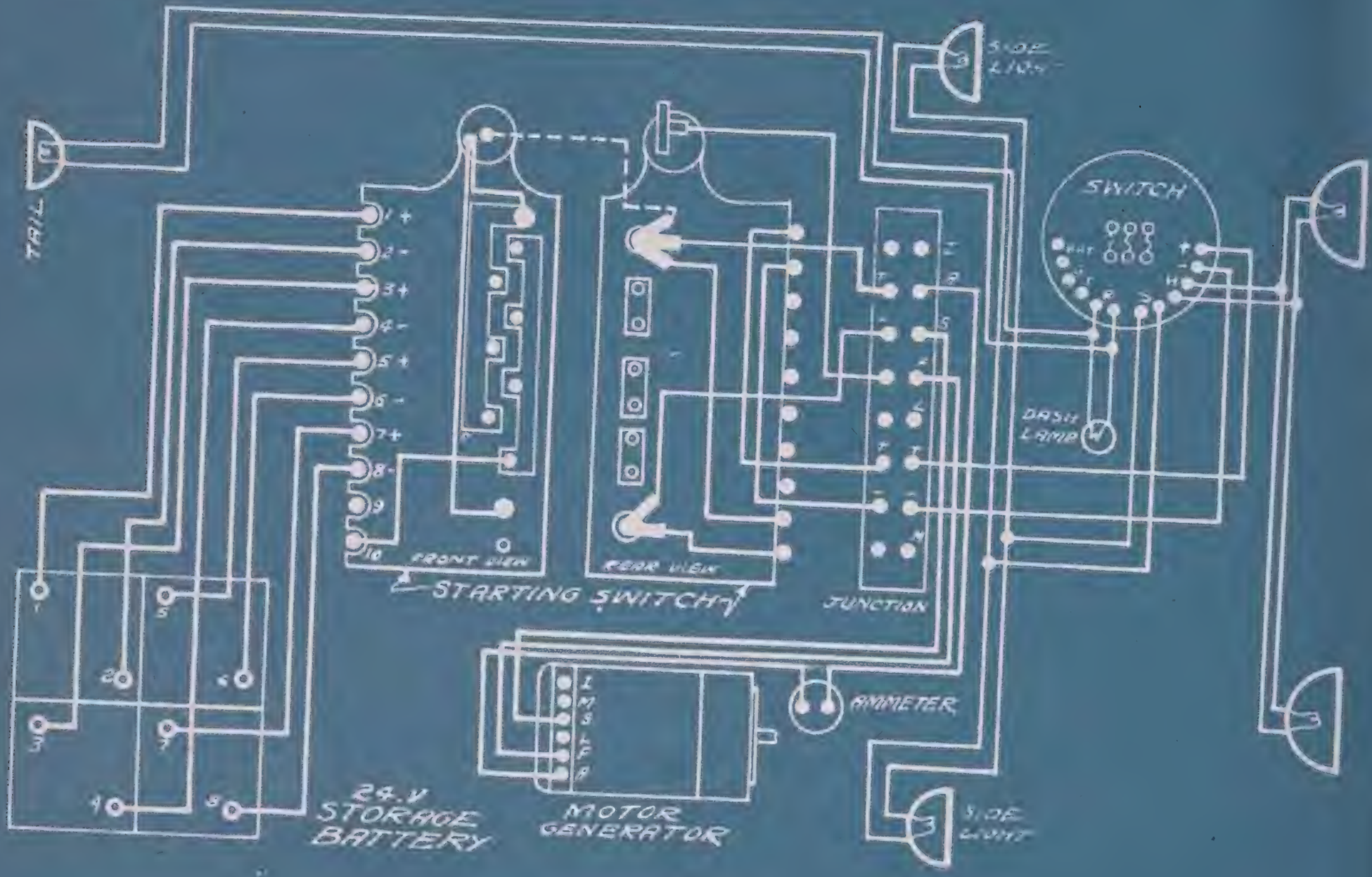


H.A.L. 1916-17-18 "12"

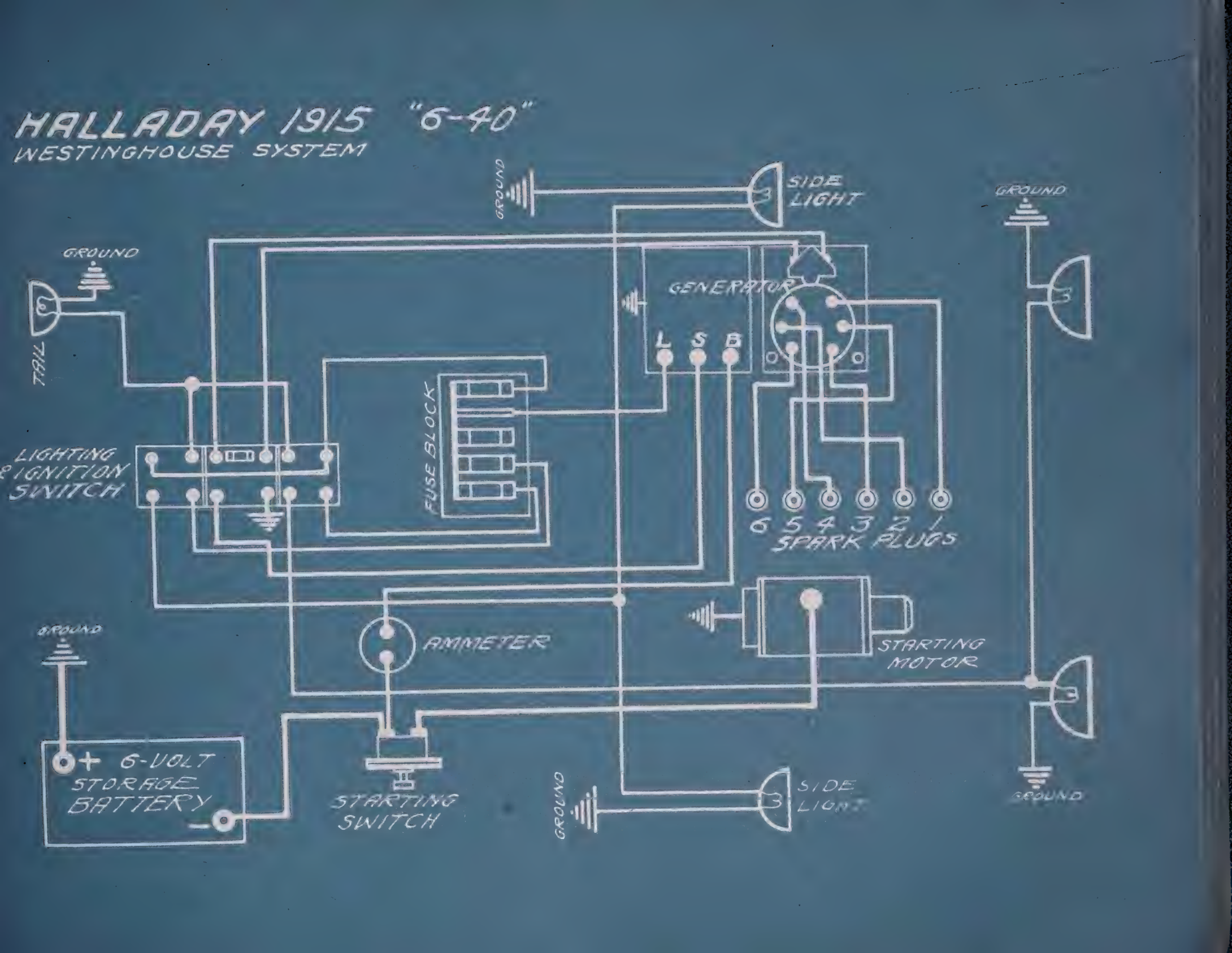
WESTINGOUSE STARTING & LIGHTING SYSTEM
REMY IGNITION SYSTEM USED ON 1916-17 CARS
DELCO IGNITION SYSTEM USED ON 1918 CARS



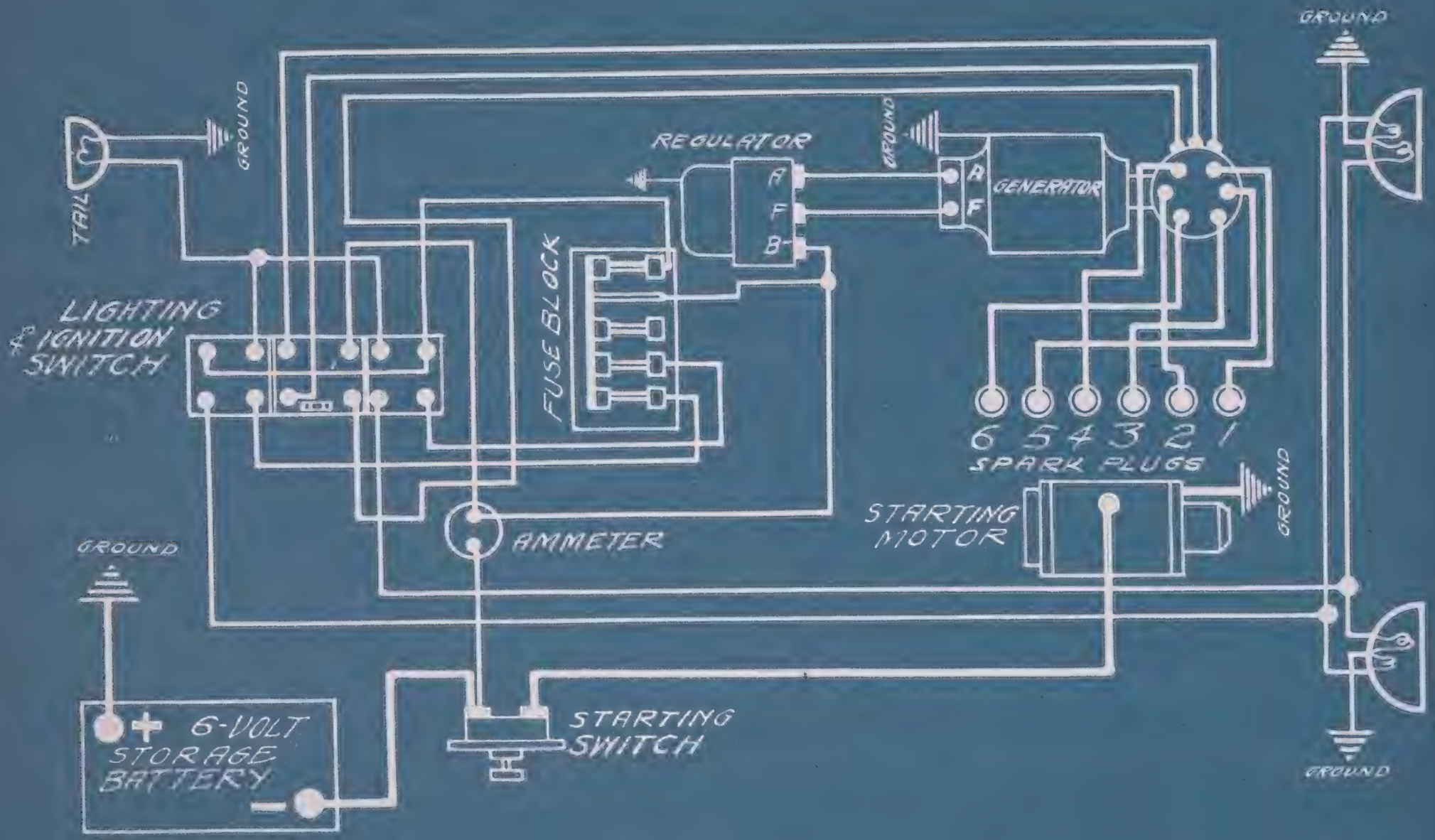
HALLADAY 1913-1914 "6" & "32"
ELECTRO SYSTEM



HALLADAY 1915 "6-40"
WESTINGHOUSE SYSTEM

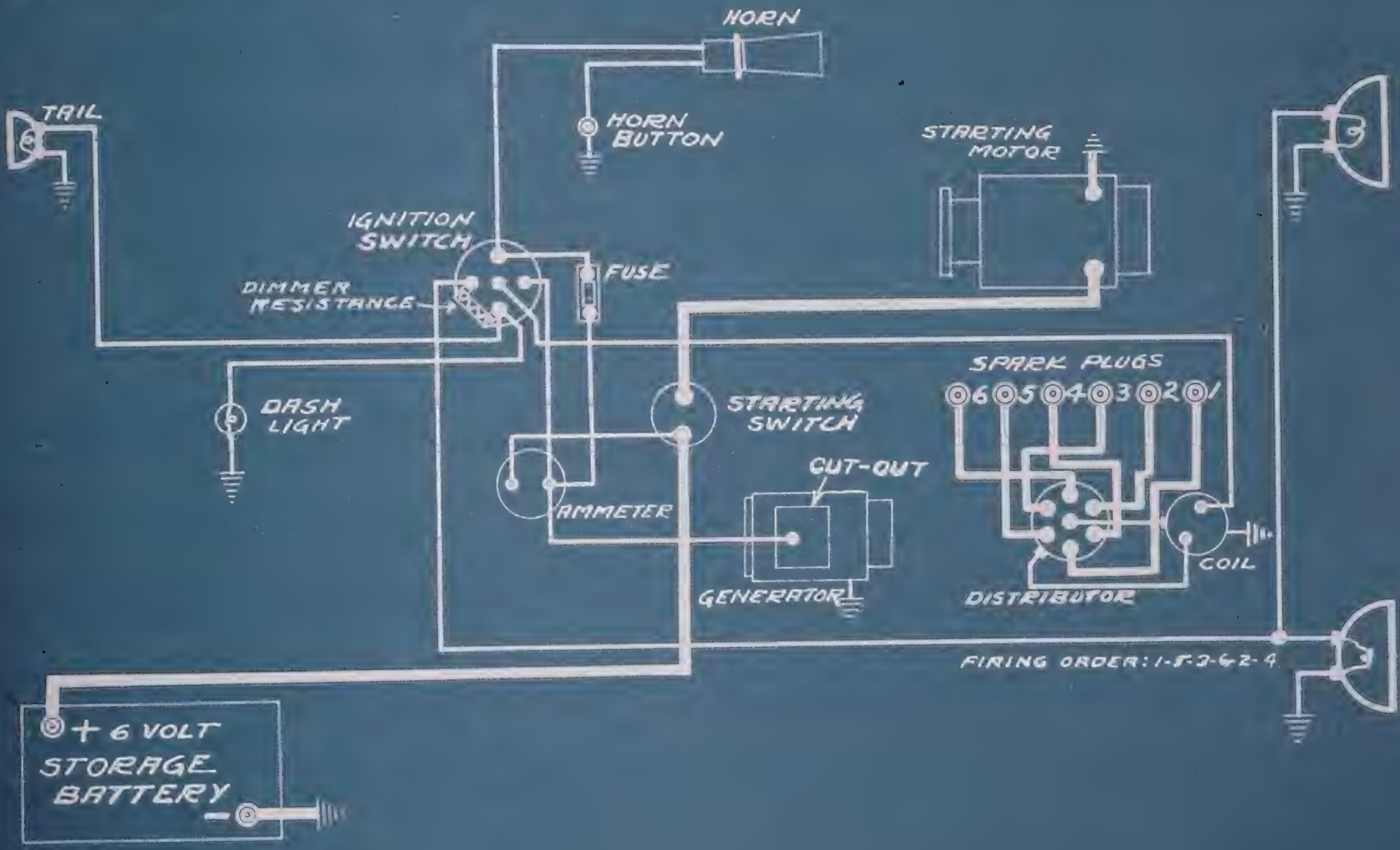


HALLADAY 1916 "R"
WESTINGHOUSE SYSTEM



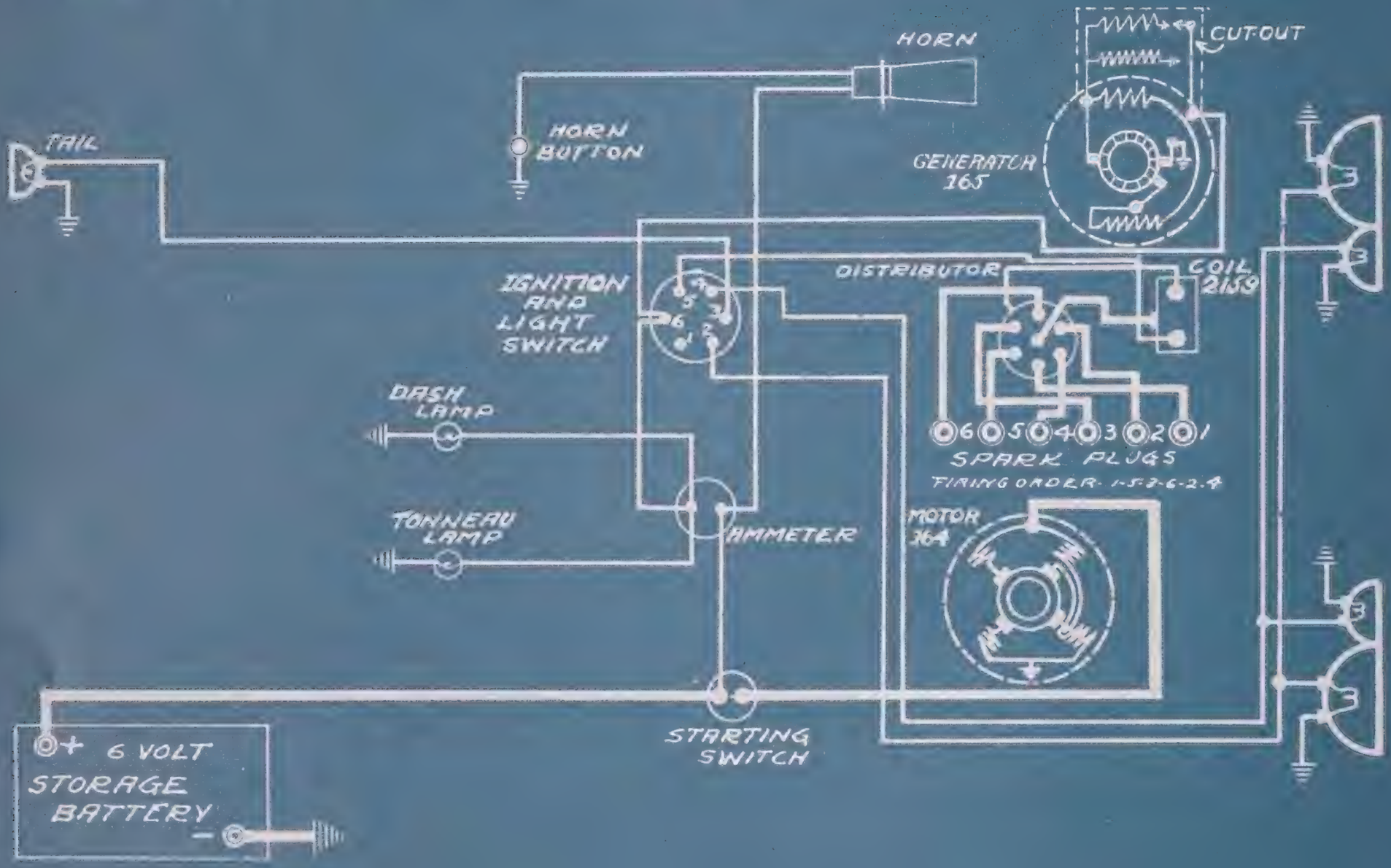
HANSON SIX 1918-1919

AUTO LITE STARTING AND LIGHTING
REMY IGNITION



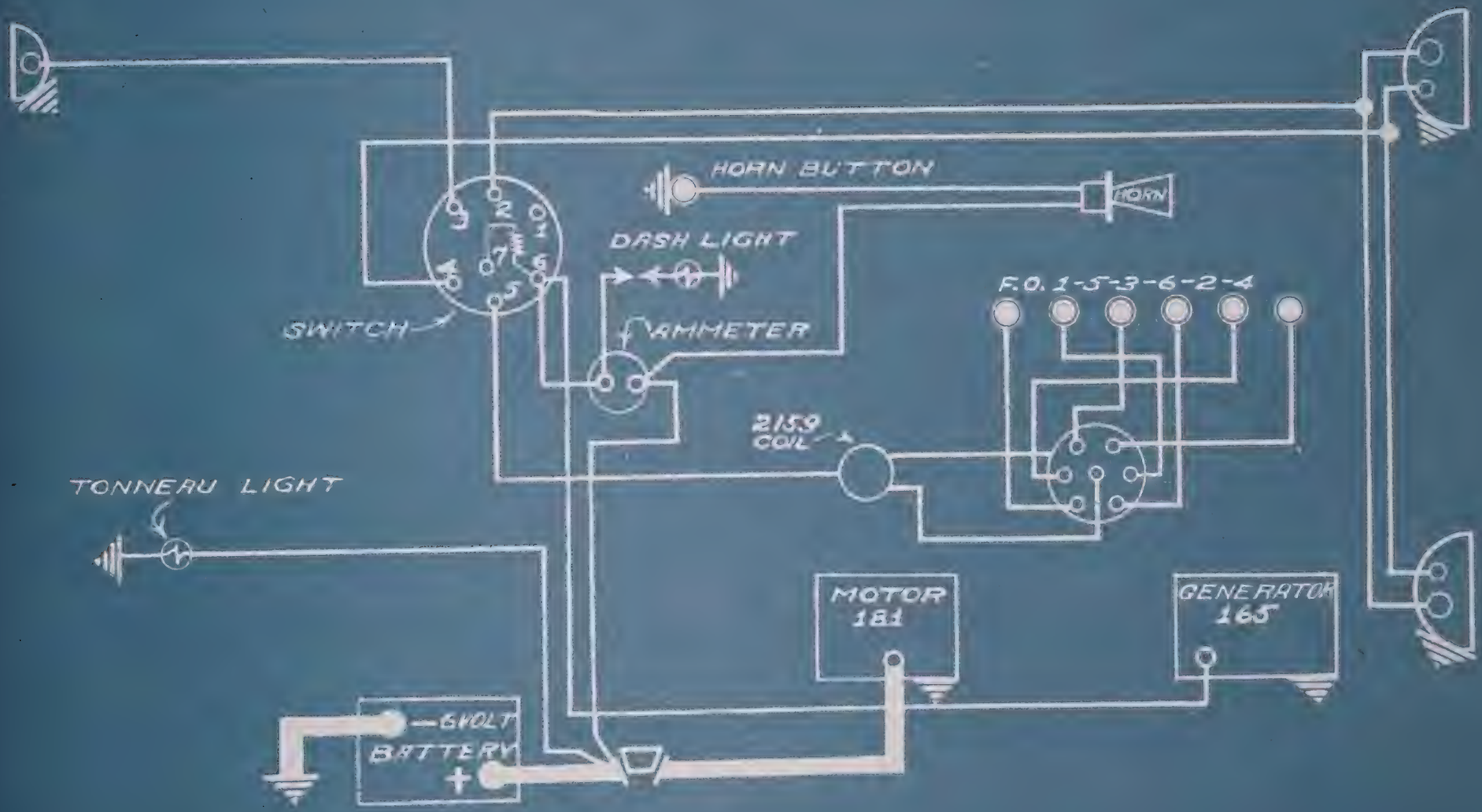
HANSON SIX 54 & 60 1920-1921

DELCO SYSTEM



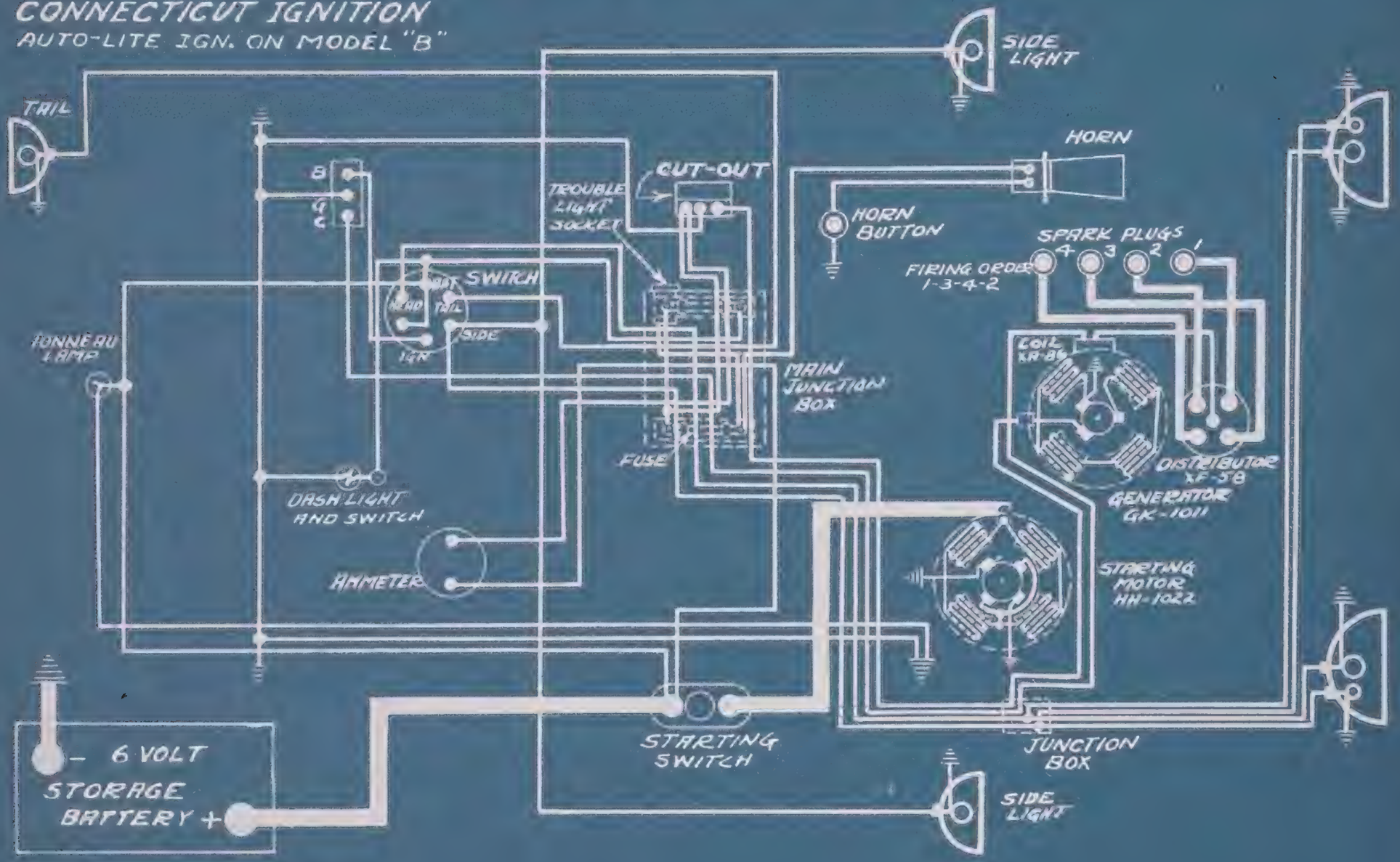
HANSON 54 & 60 1921-22

DELCO SYSTEM



HANDLEY-KNIGHT MODEL "A" 1921 "B" 1922

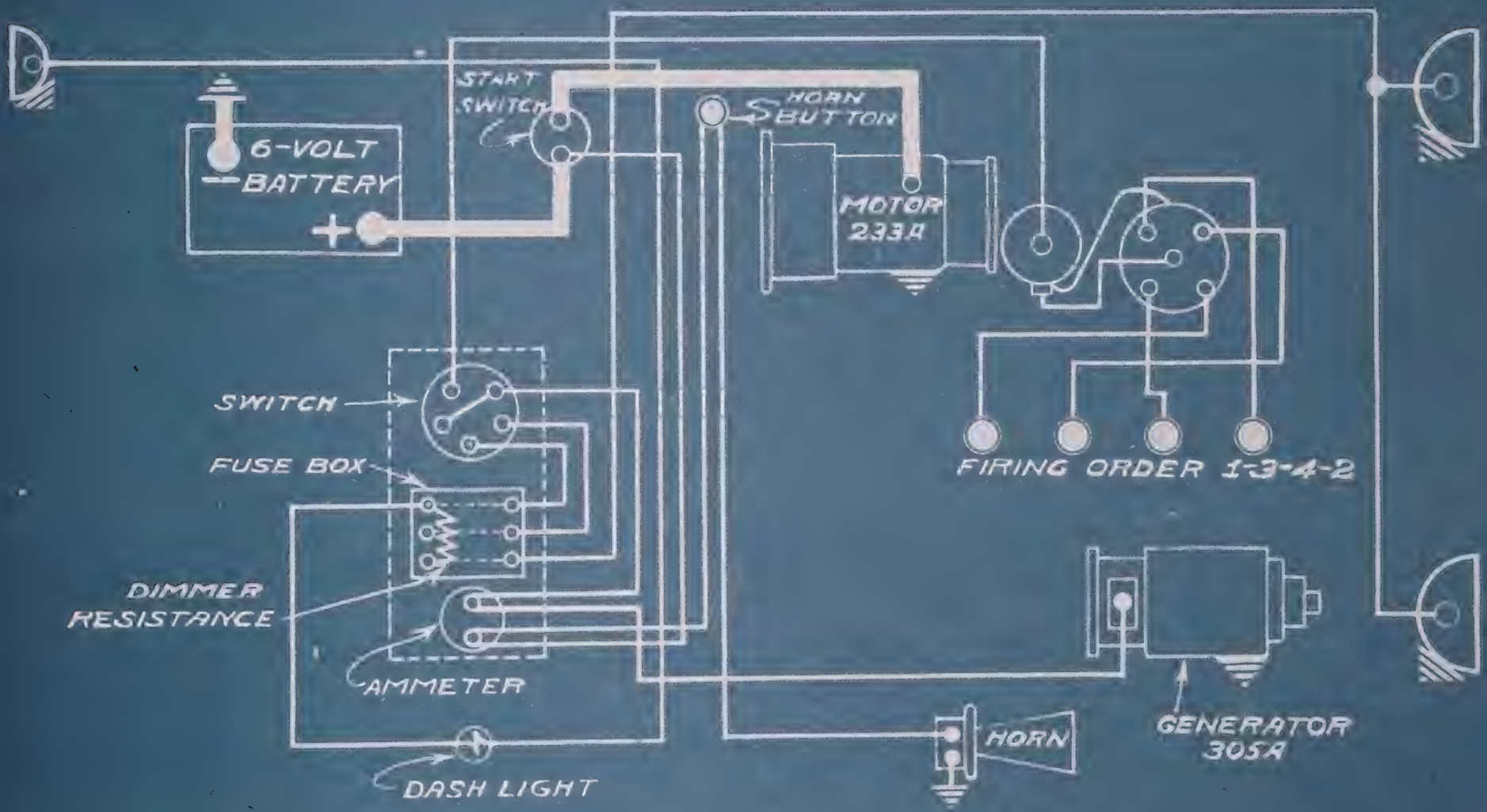
AUTO-LITE SYSTEM
CONNECTICUT IGNITION
AUTO-LITE IGN. ON MODEL "B"



HARROUN "AA1" 1917-18-19

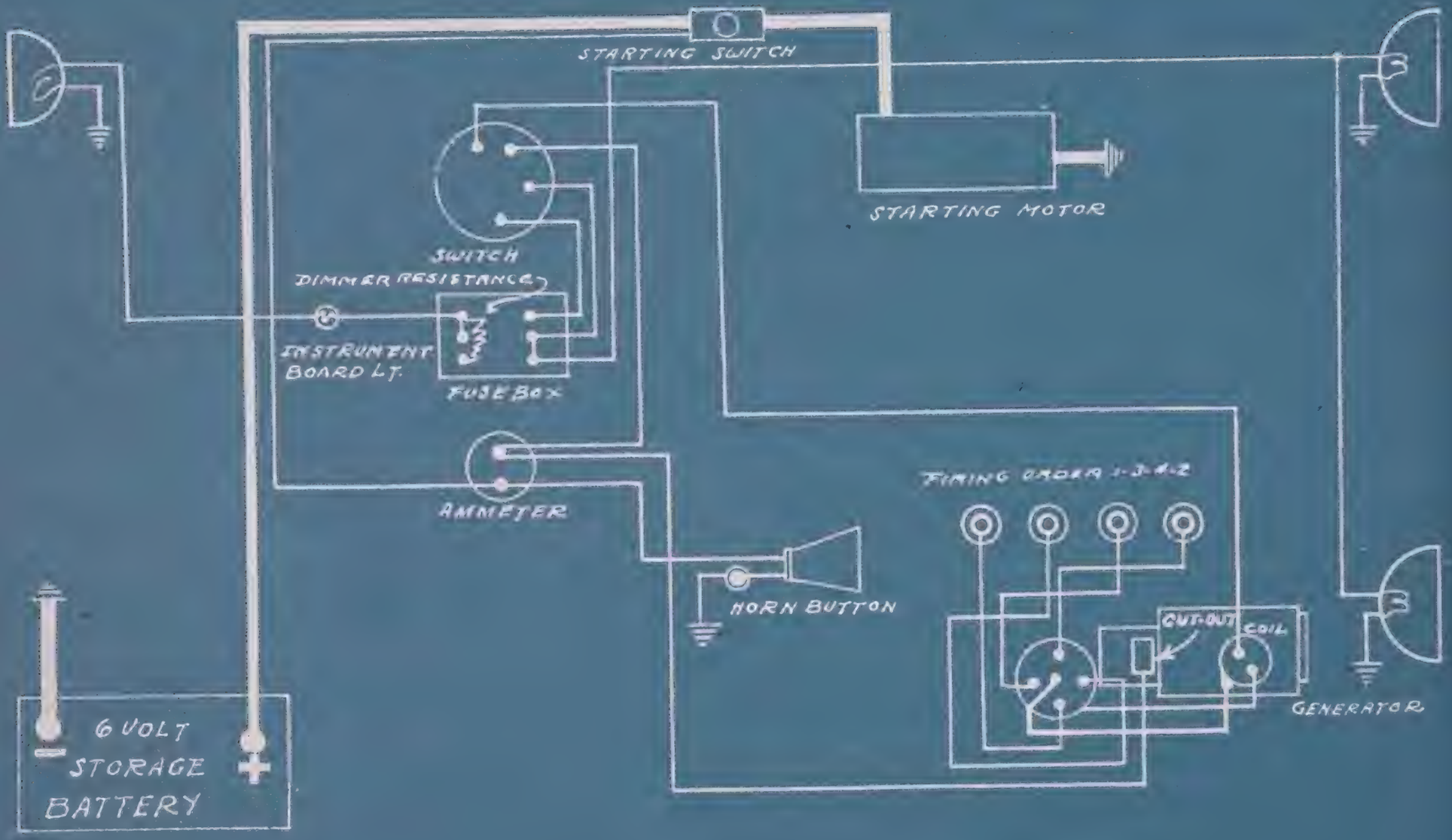
REMY SYSTEM

ATWATER-KENT IGN.



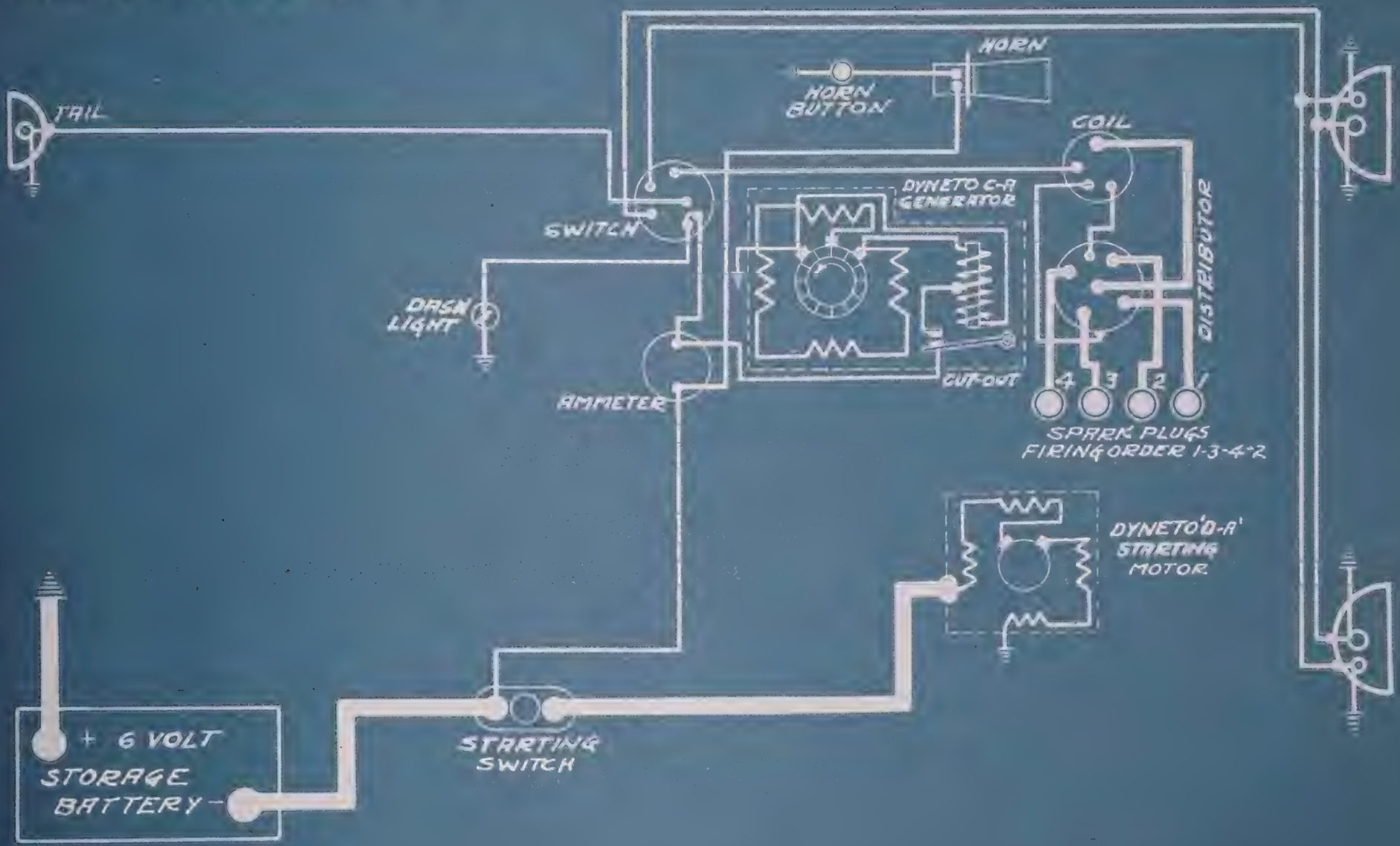
HARROUN 1920 MOD. A.A.2.

REMY SYSTEM

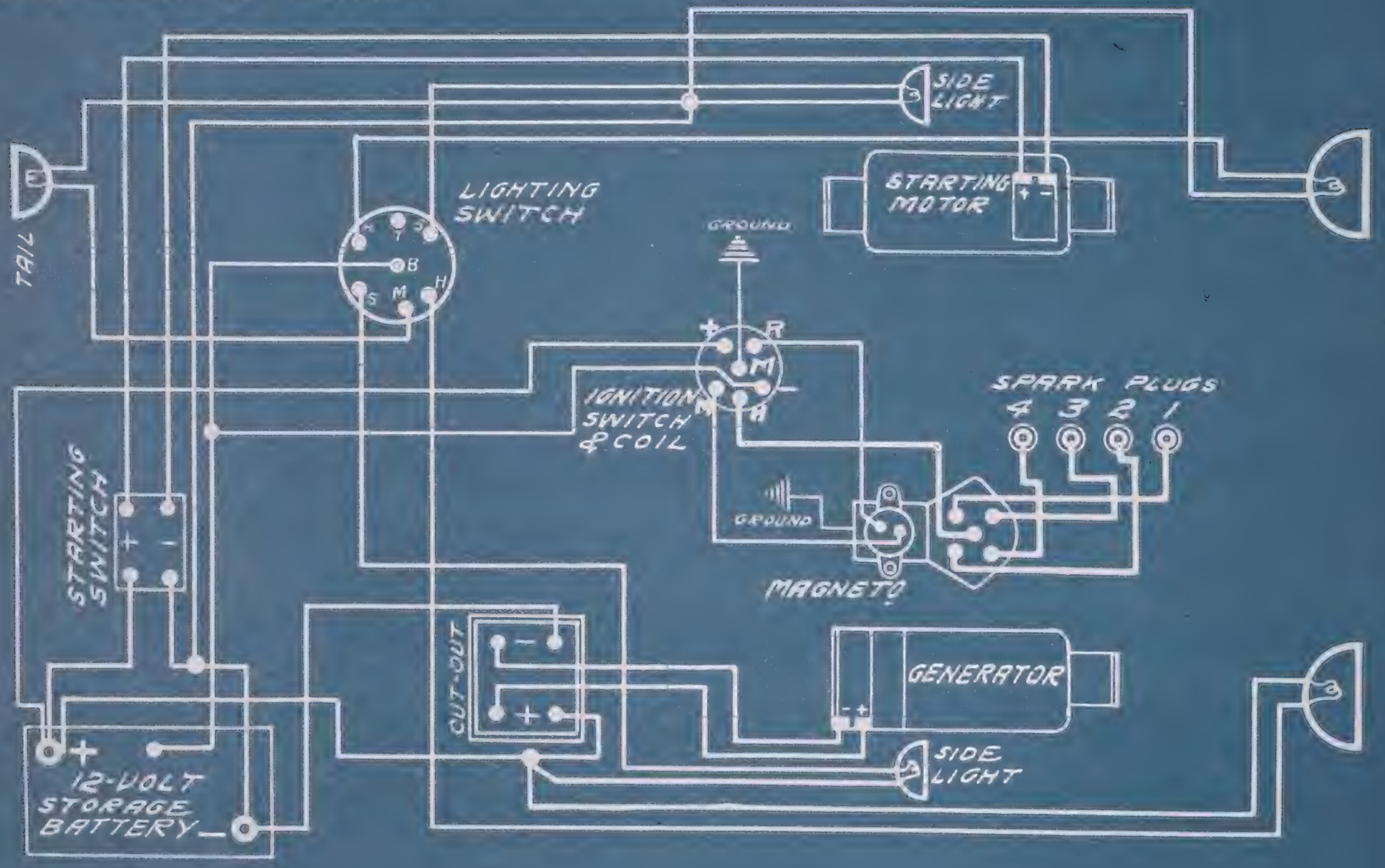


HATFIELD "42" 1920-1921

DYNETO SYSTEM
CONNECTICUT IGNITION

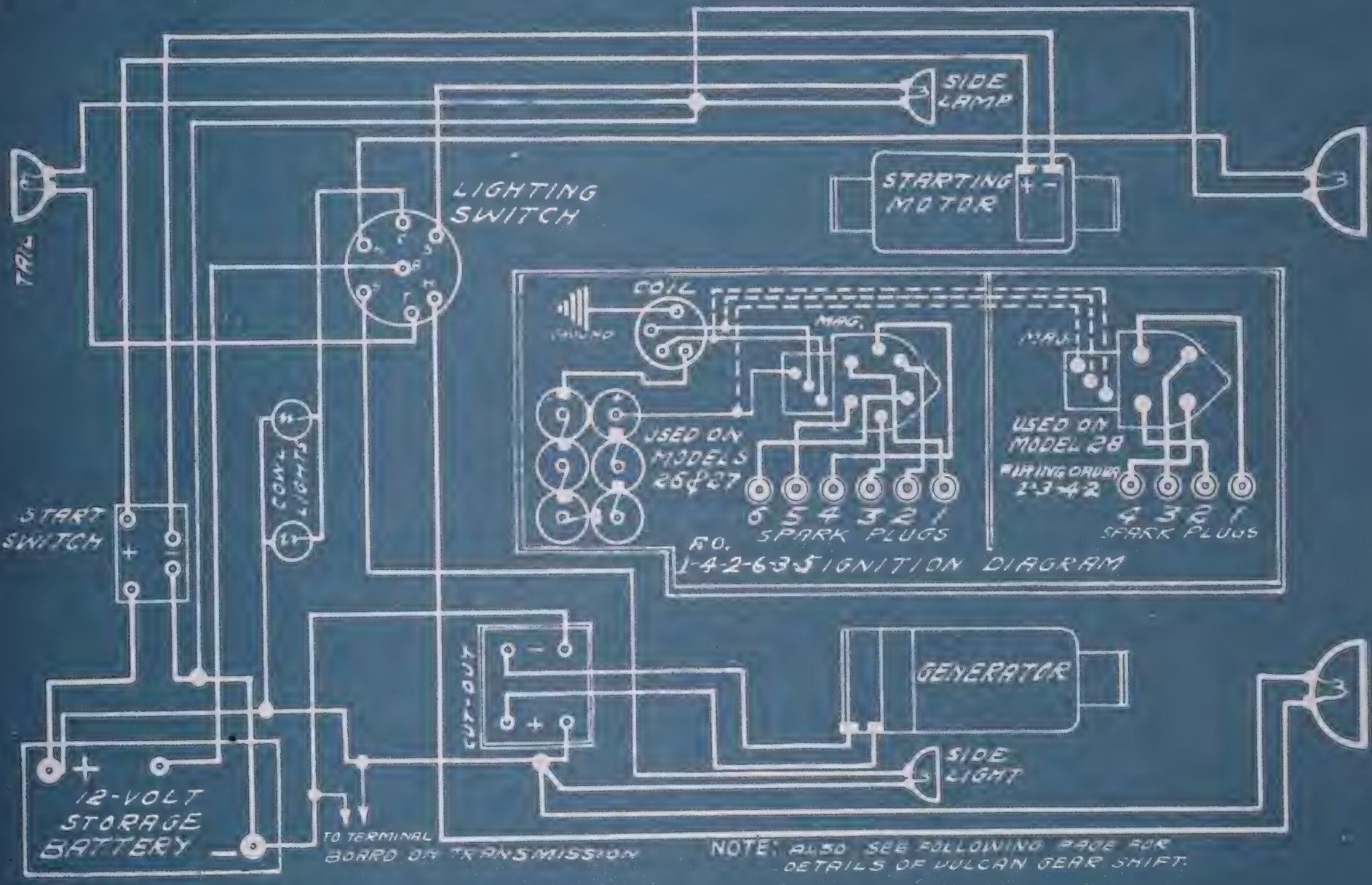


HAYNES 1913 "24"
LEECE-NEVILLE SYSTEM



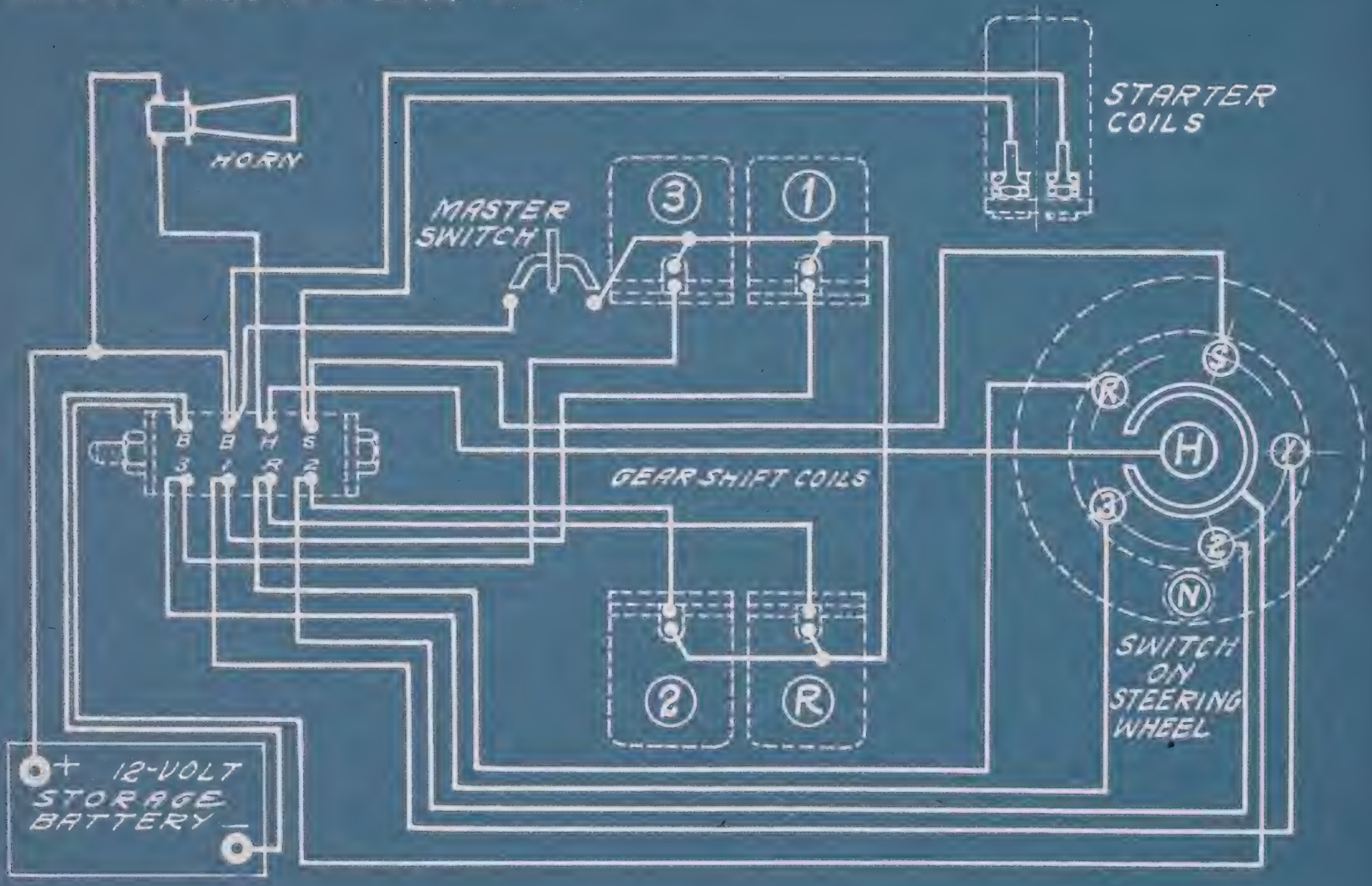
HAYNES 1914 26-27-28

LEECE-NEVILLE SYSTEM

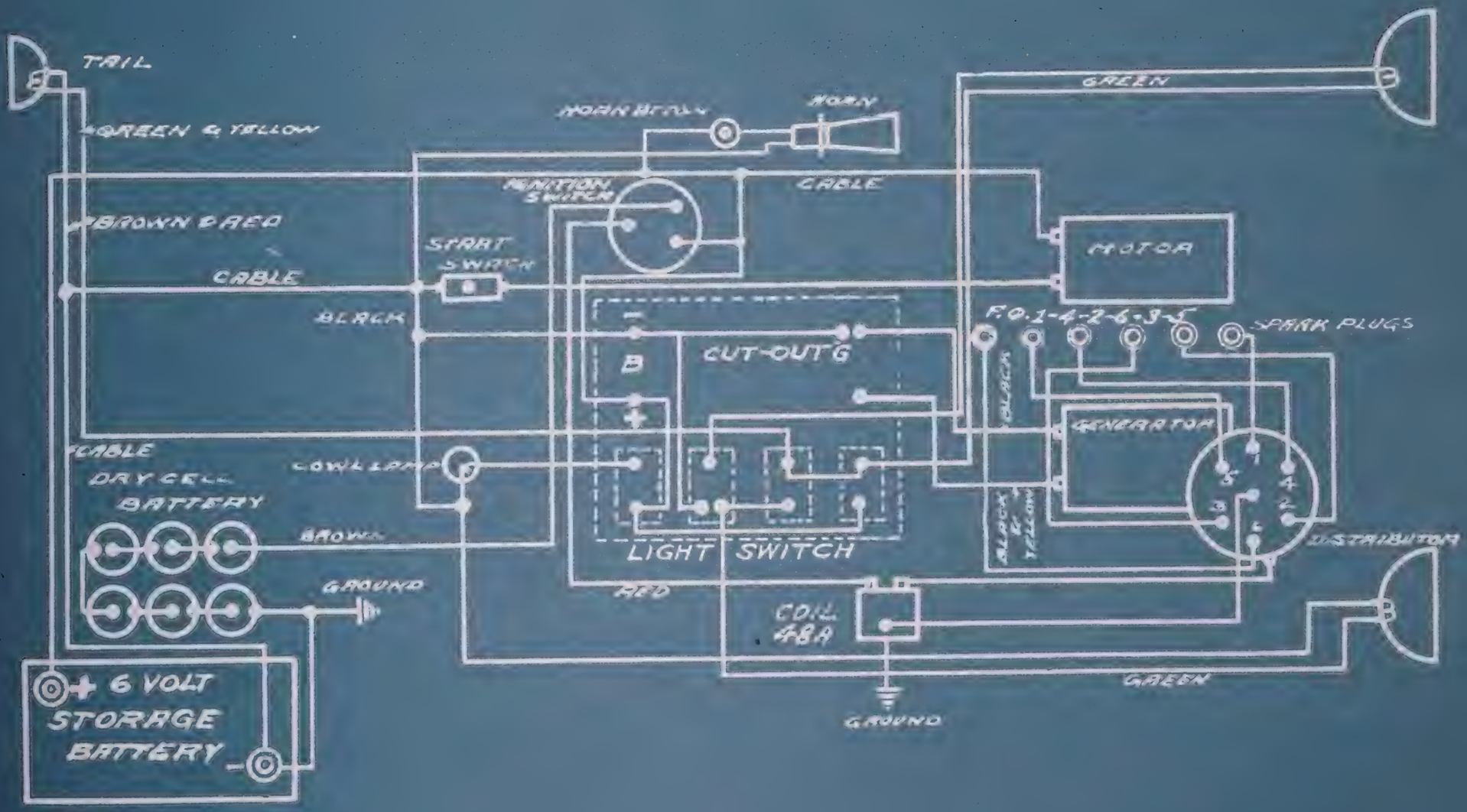


NOTE: ALSO SEE FOLLOWING PAGE FOR DETAILS OF VULCAN GEAR SHIFT.

HAYNES 1914 26-27-28
VULCAN ELECTRIC GEAR SHIFT

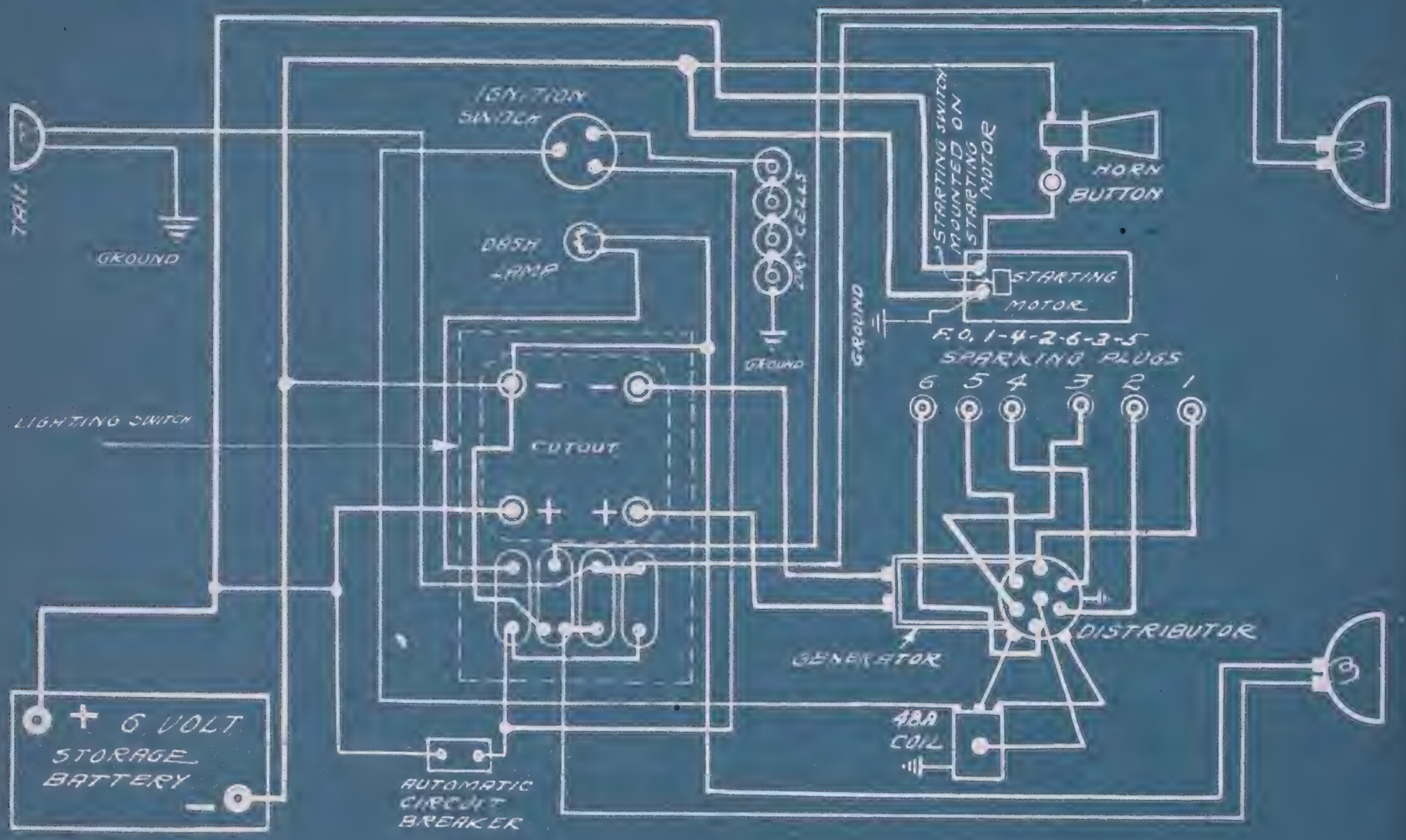


HAYNES 1915 MODEL 30
LEECE-NEVILLE SYSTEM



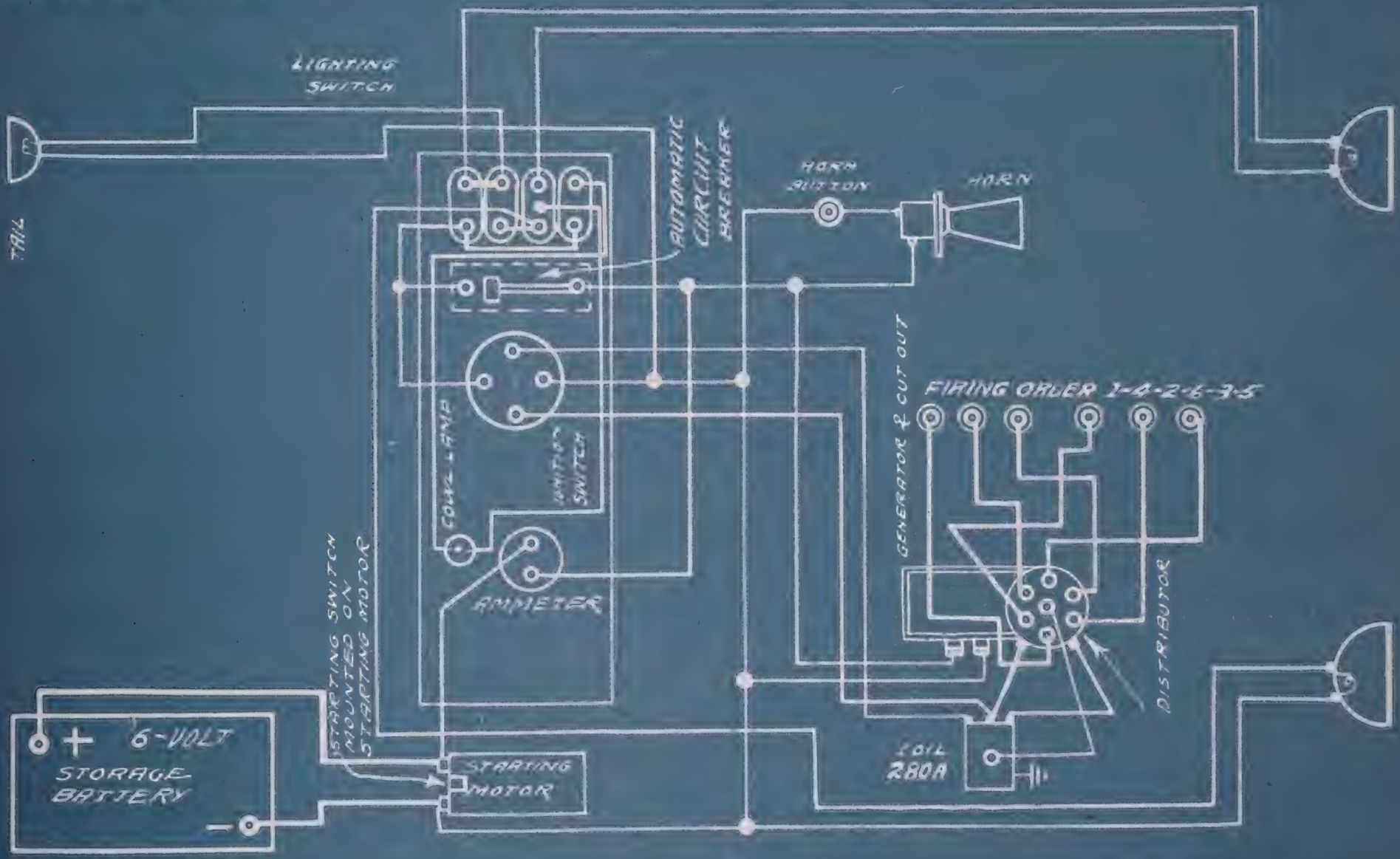
HAYNES 1916 34 & 35

LEECE-NEVILLE SYSTEM
REMY IGNITION



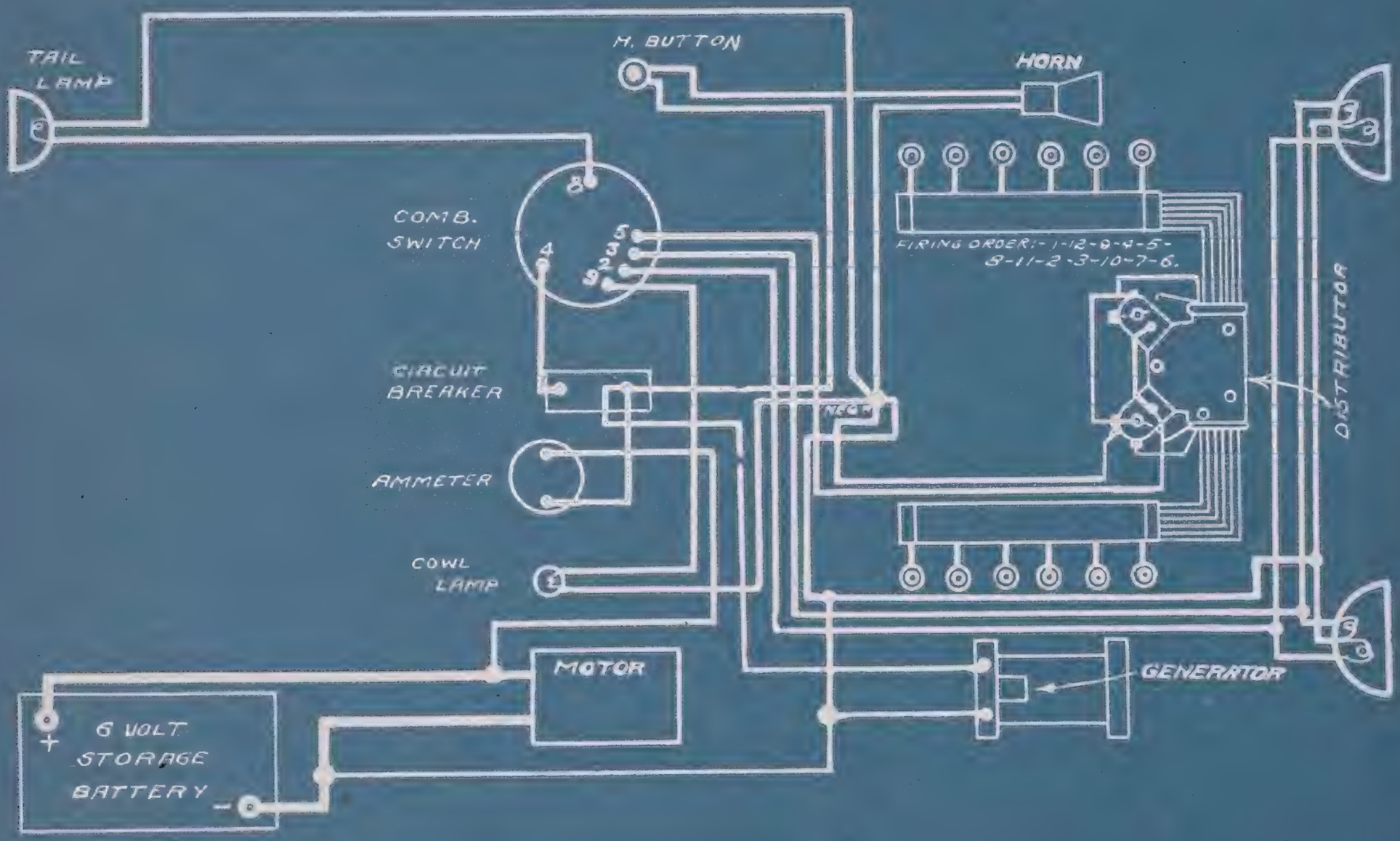
HAYNES 1916-17 36-36R-37

LEECE-NEVILLE SYSTEM
REMY IGNITION

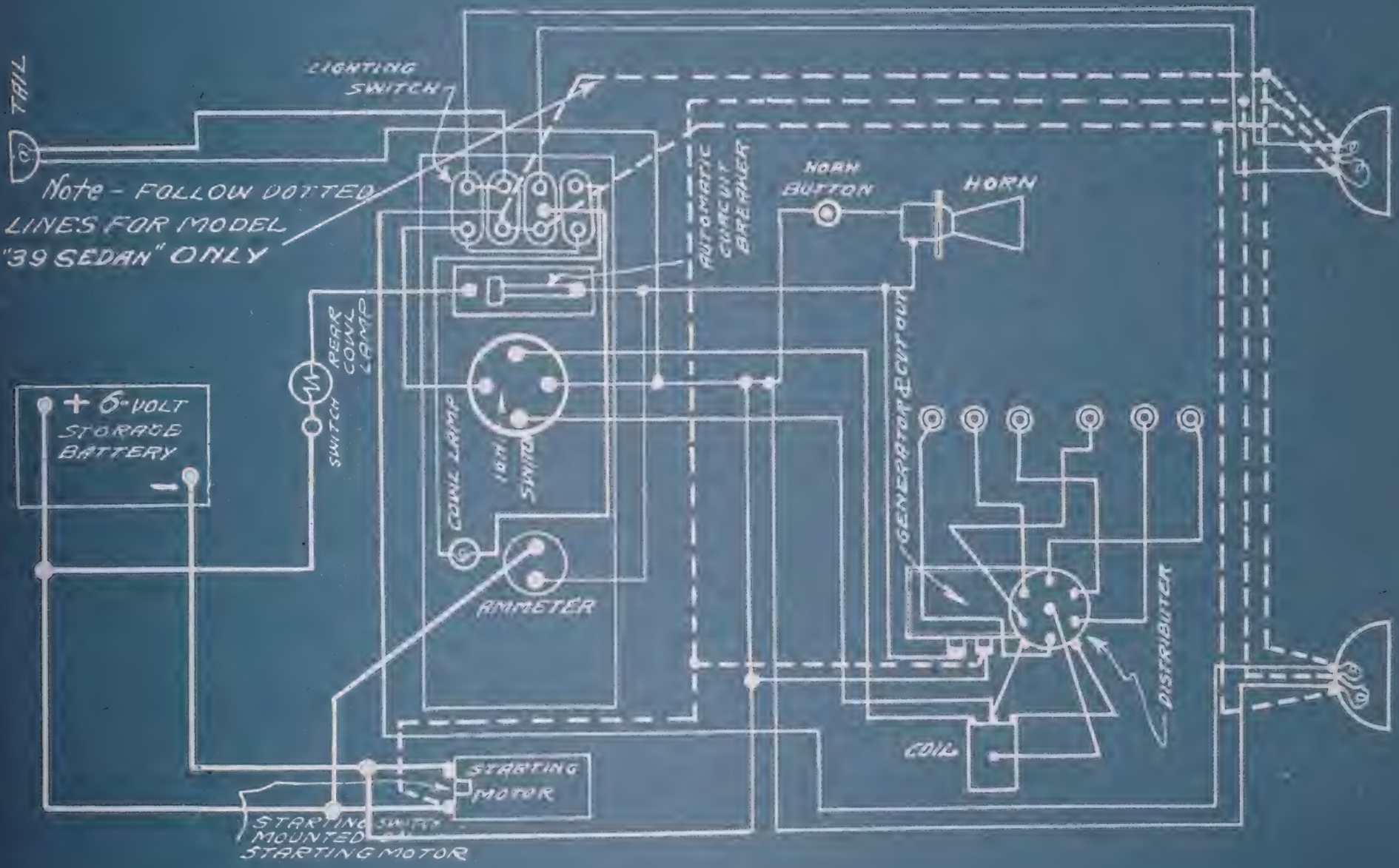


HAYNES 12 MODELS 40-40R-41 1917-1918-1919

LEECE-NEVILLE SYSTEM. (DELCO IGNITION)



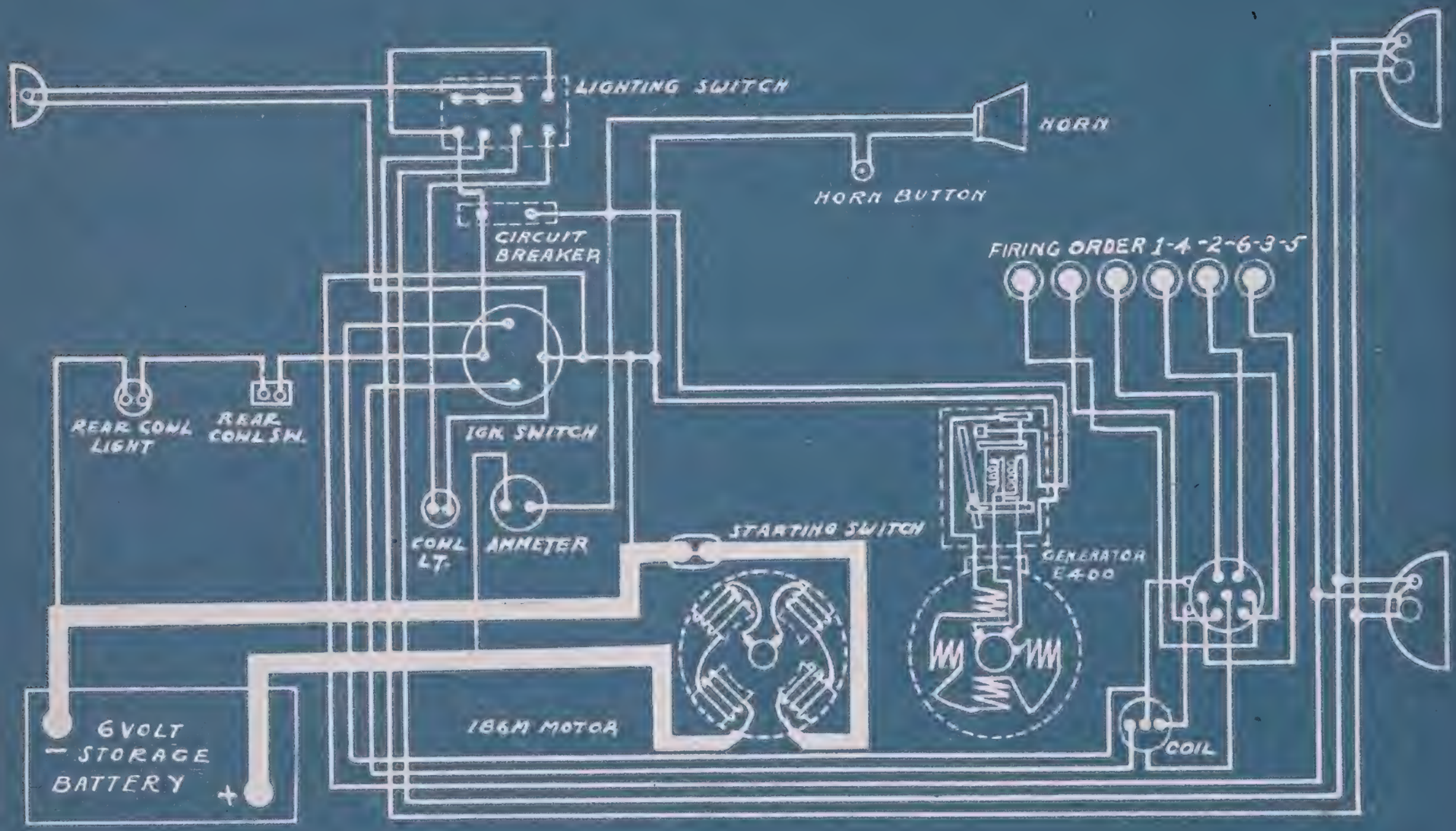
HAYNES MODELS 38-39-39-S 1918
LEECE-NEVILLE SYSTEM - REMY IGN



HAYNES "45" 1919-20

LEECE-NEVILLE SYSTEM

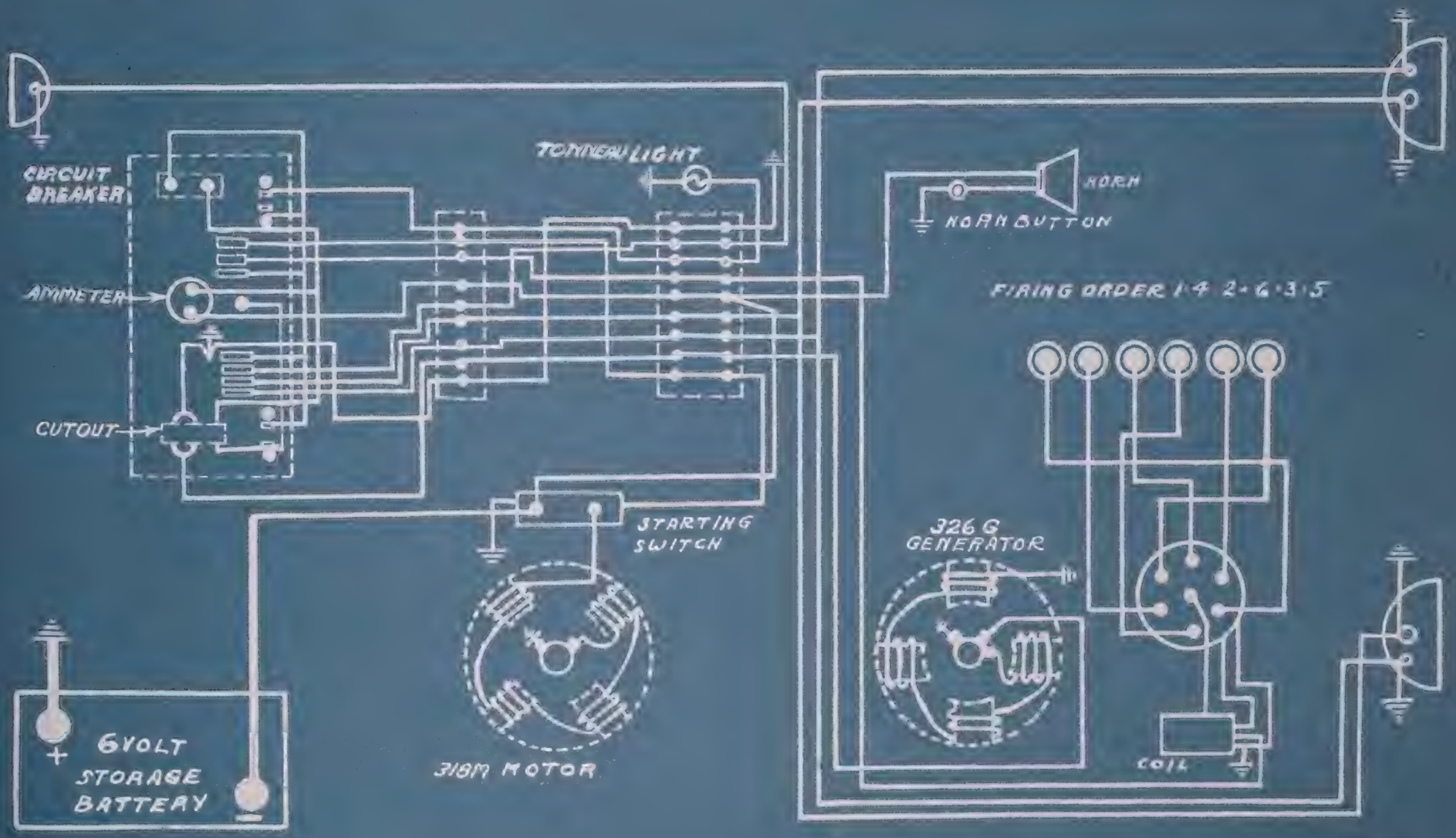
KINGSTON IGN.



HAYNES "47" 1920-1921-1922 - "75" 1922

LEECE-NEVILLE SYSTEM

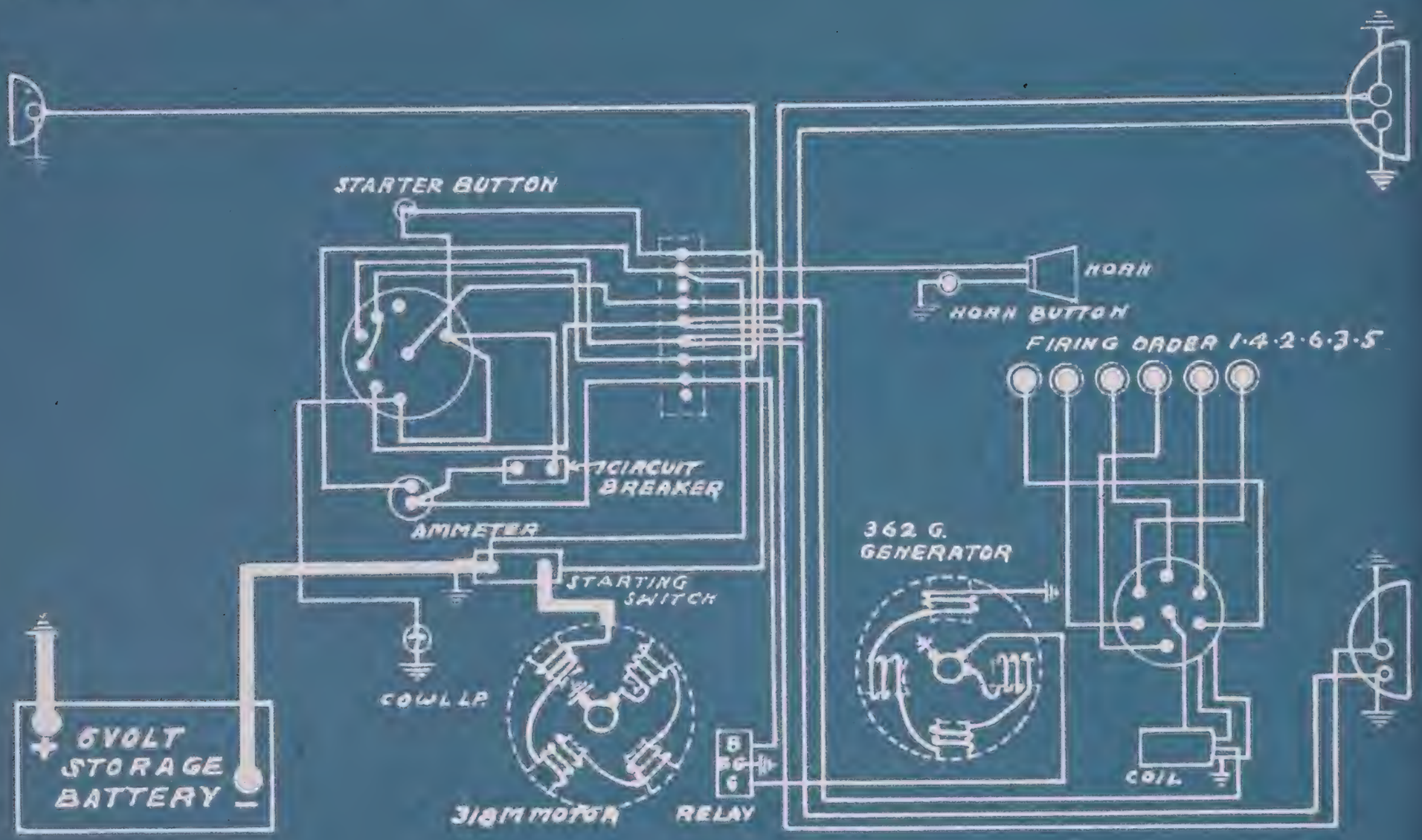
KINGSTON IGN.



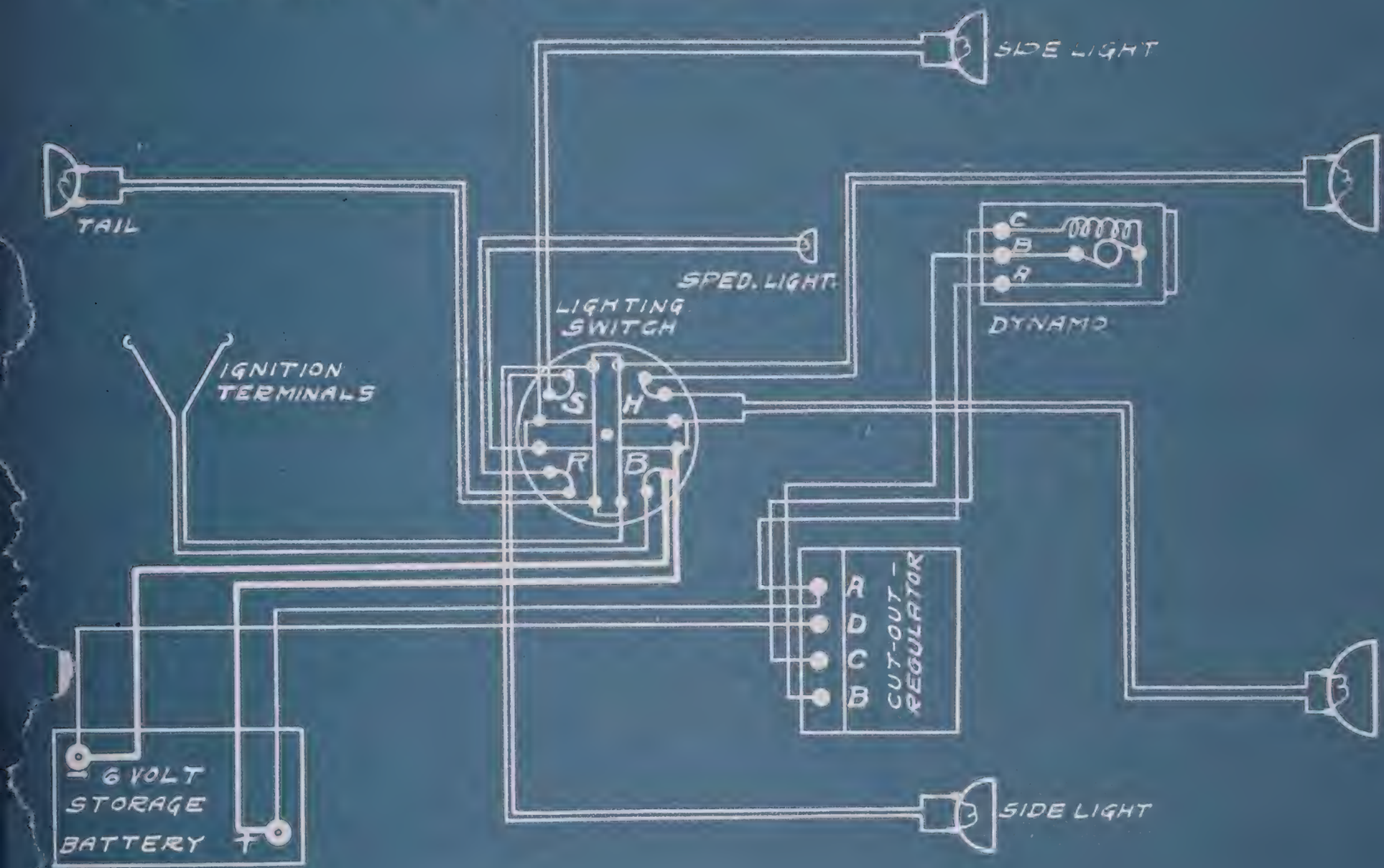
HAYNES "50" 1921-22

LEECE-NEVILLE SYS.

KINGSTON IGNITION



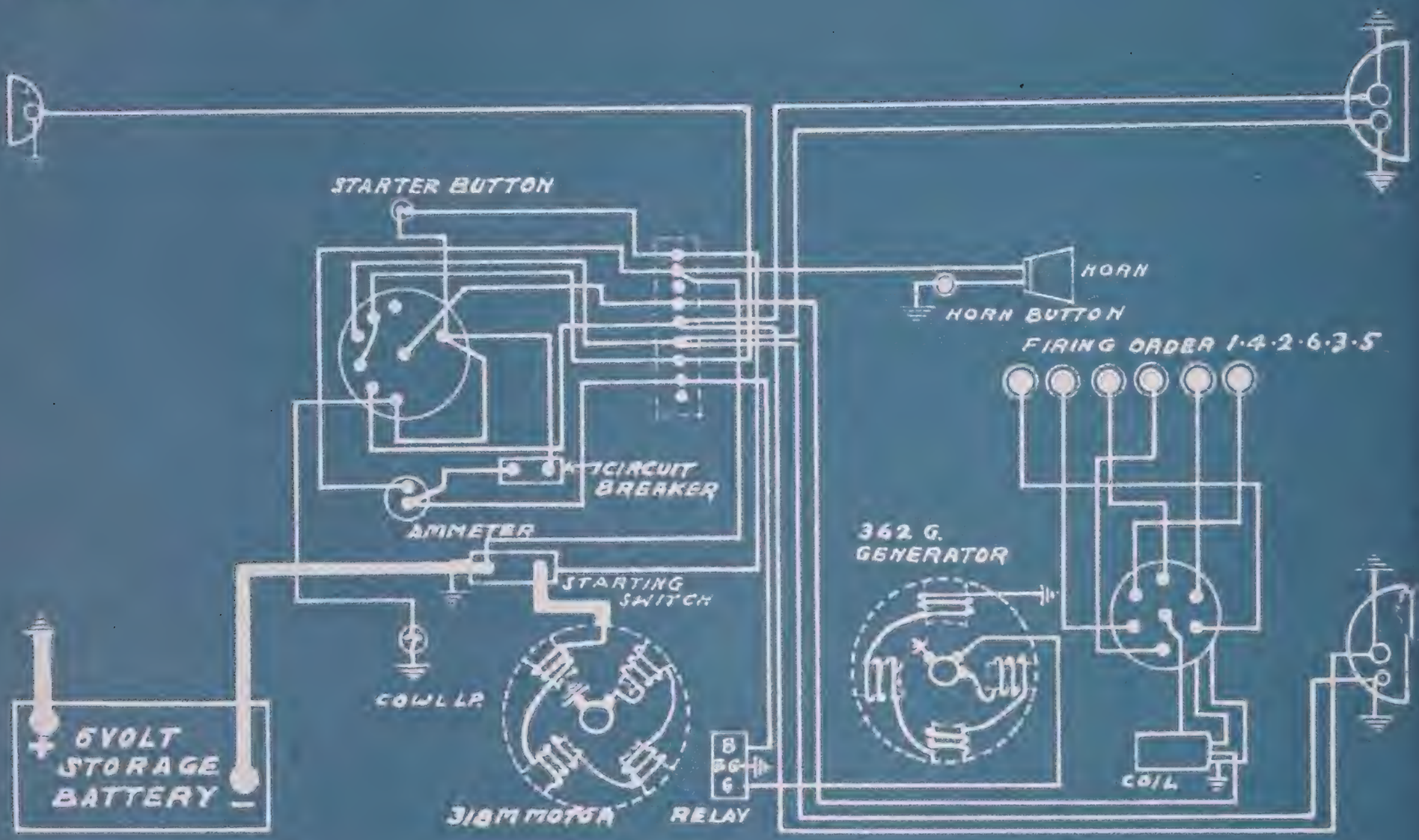
HENDERSON 1913-14
WARD-LEONARD SYSTEM



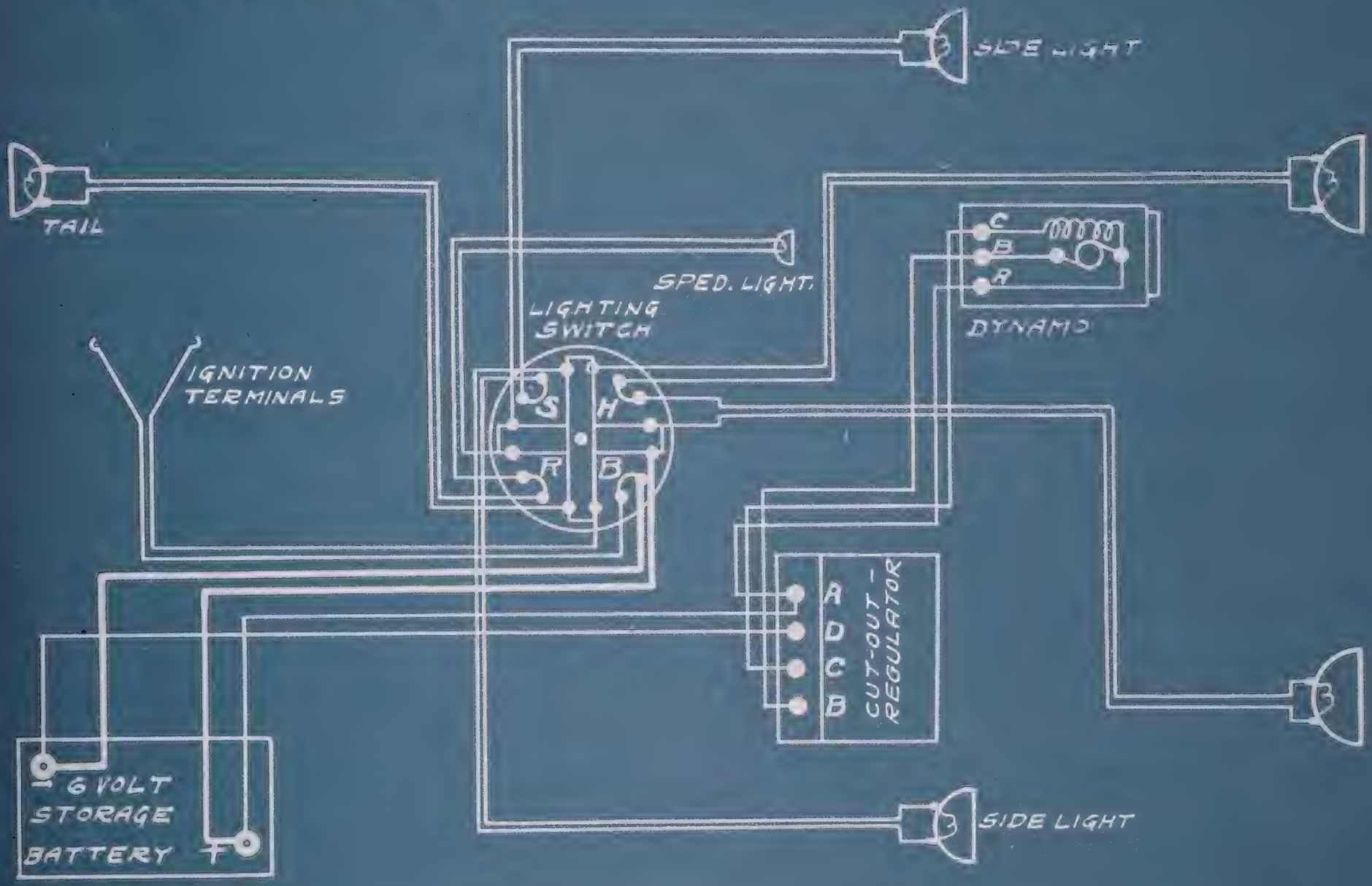
HAYNES "50" 1921-22

LEECE-NEVILLE SYS.

KINGSTON IGNITION

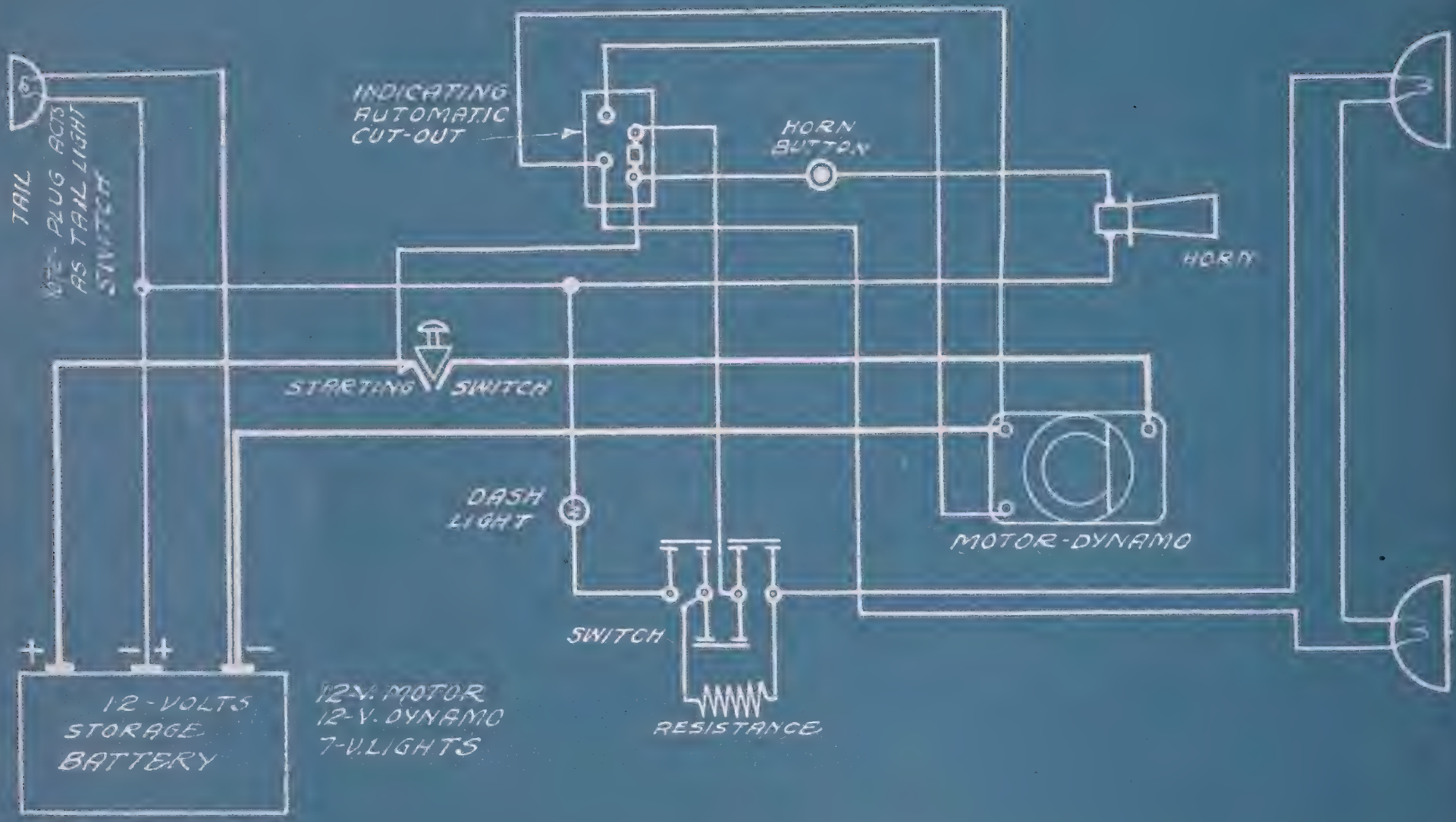


HENDERSON 1913-14
WARD-LEONARD SYSTEM

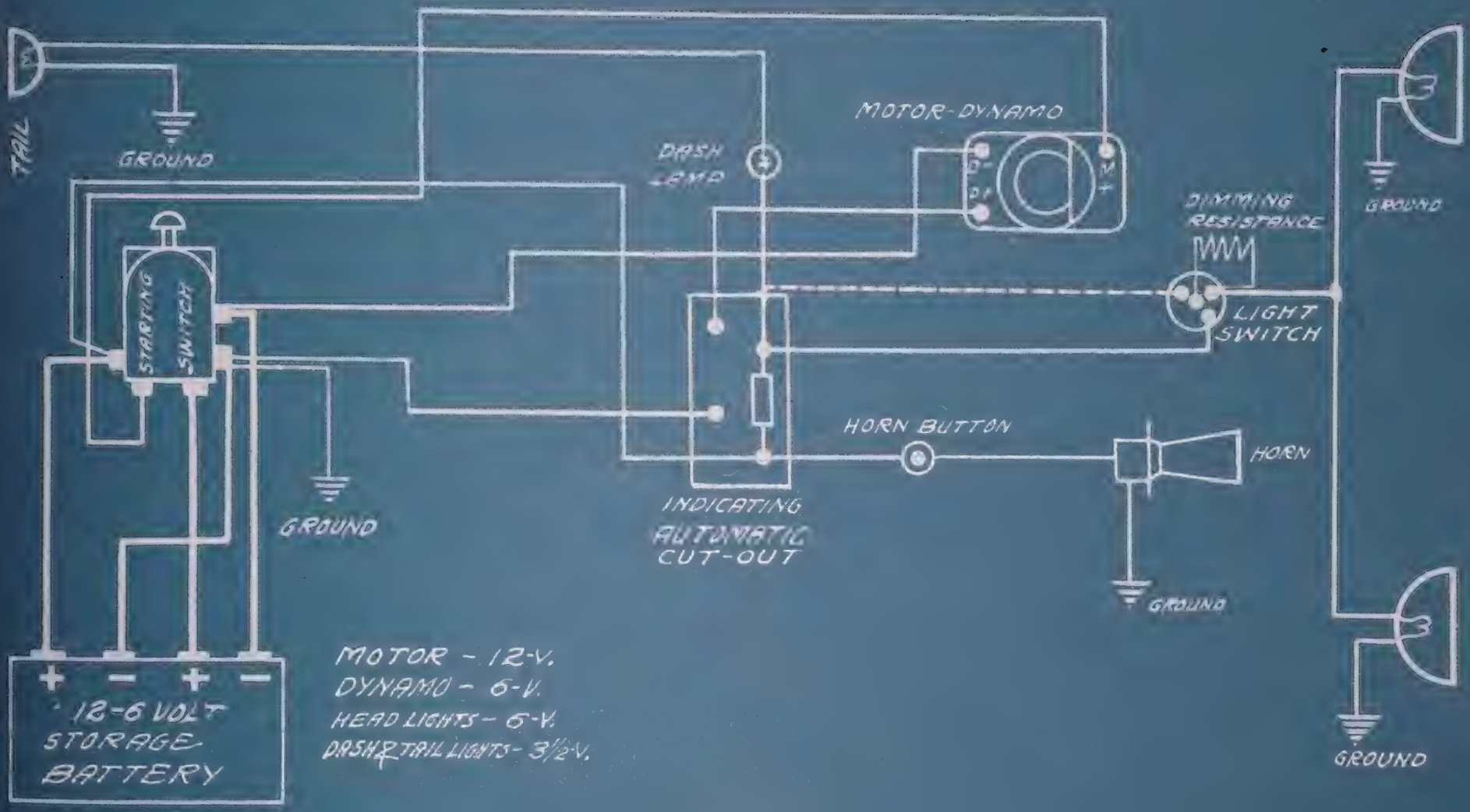


HERFF-BROOKS 1915

SPLITDORF-APELCO SYSTEM

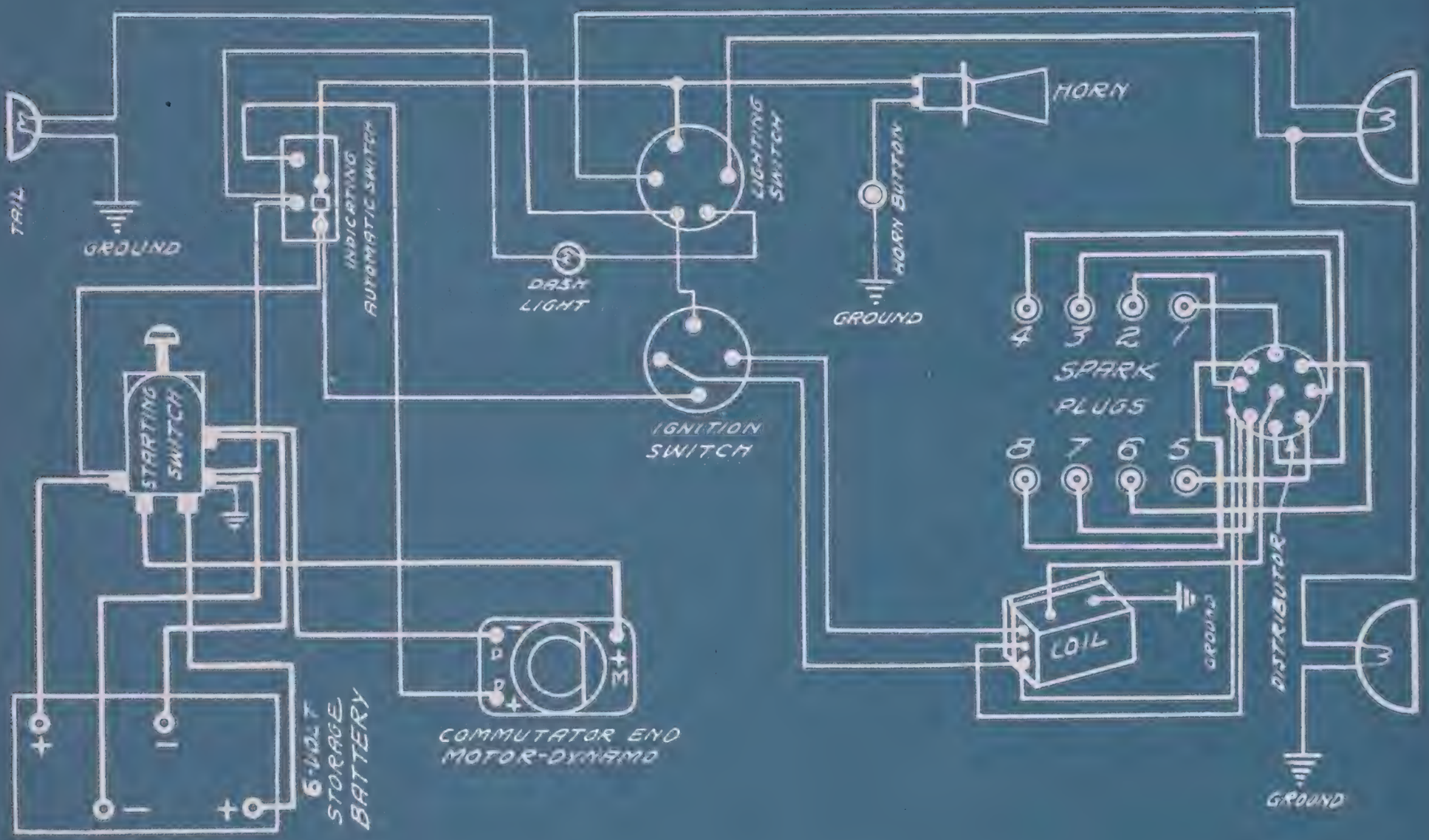


HERFF-BROOKS 1916
SPLITDORF-APELCO SYSTEM

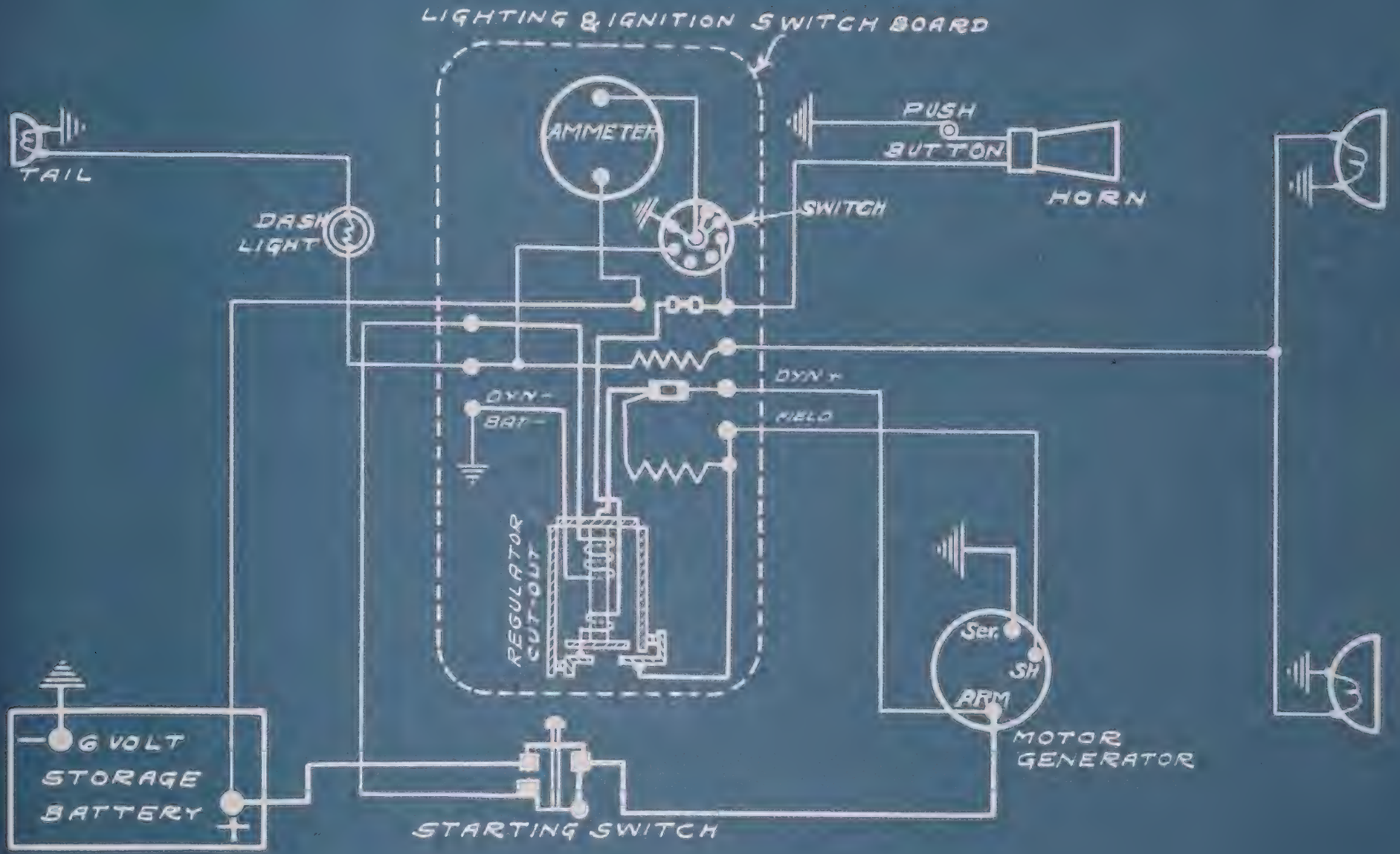


HOLLIER 1916 "8"

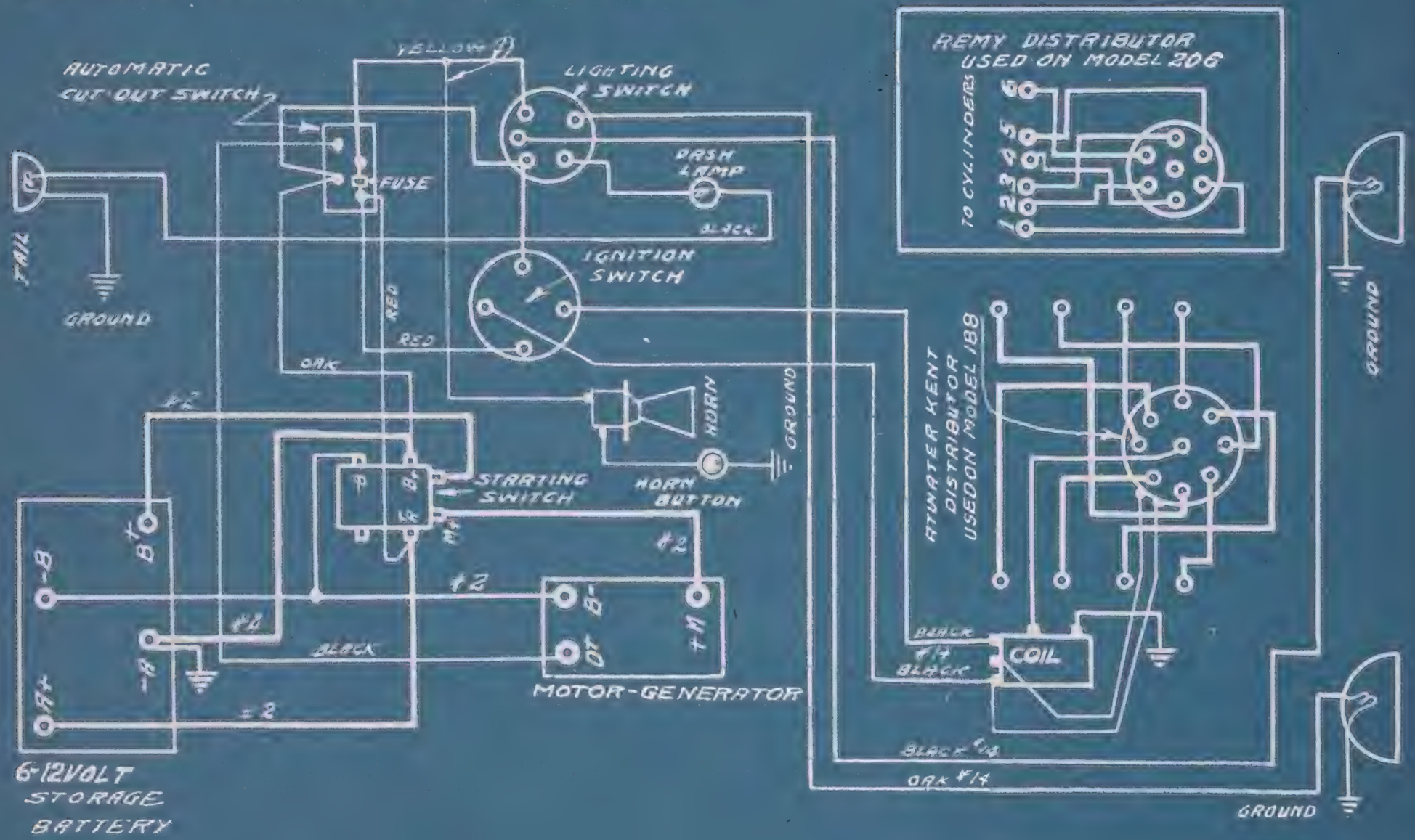
SPLITDORF-APELCO SYSTEM



HOLLIER 1917 166
ALLIS-CHALMERS SYSTEM

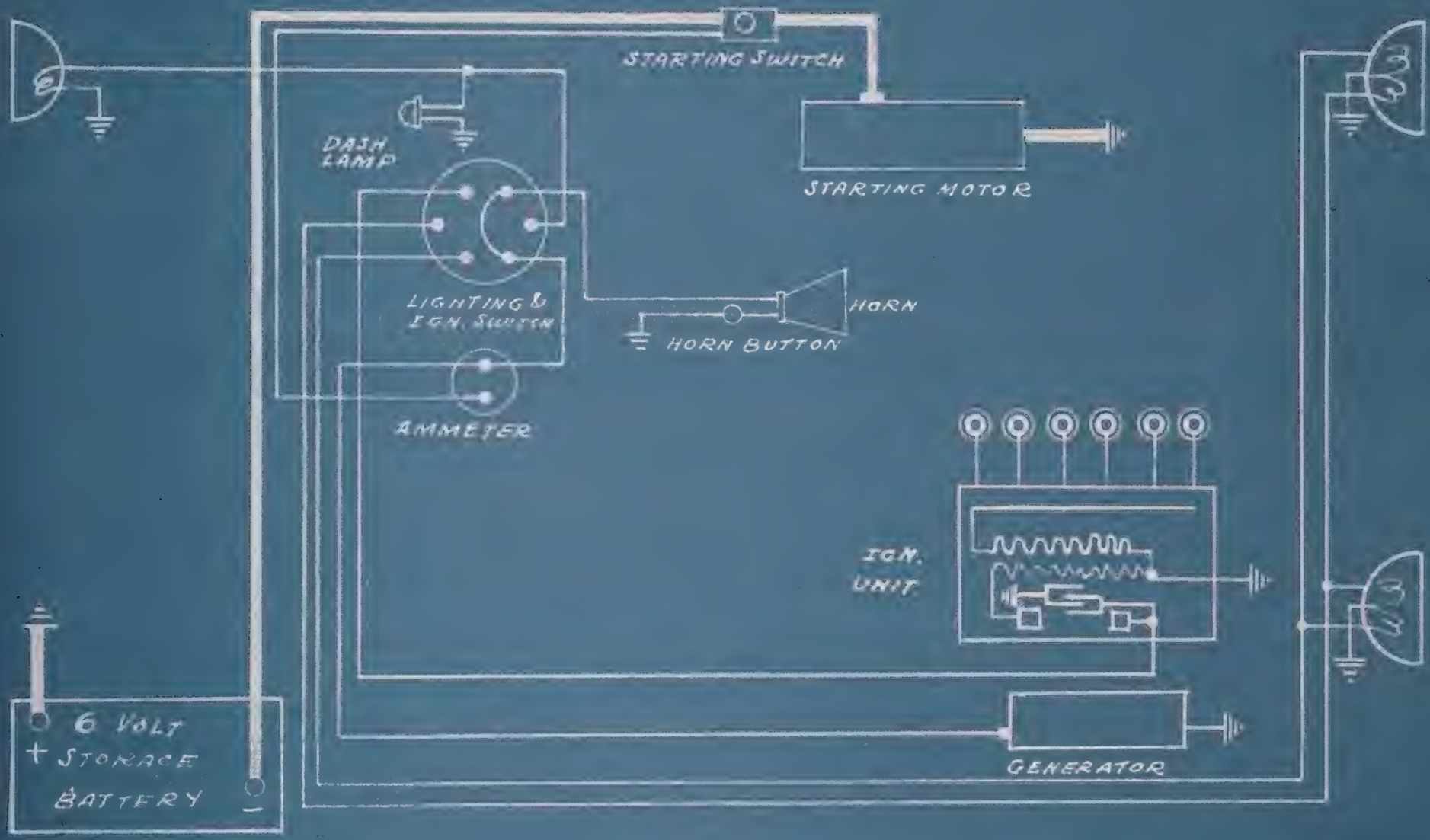


HOLLIER MODEL 188 206 1918
SPLITDORF STARTING & LIGHTING SYSTEM



HOLLIER MODEL "206B" 1920

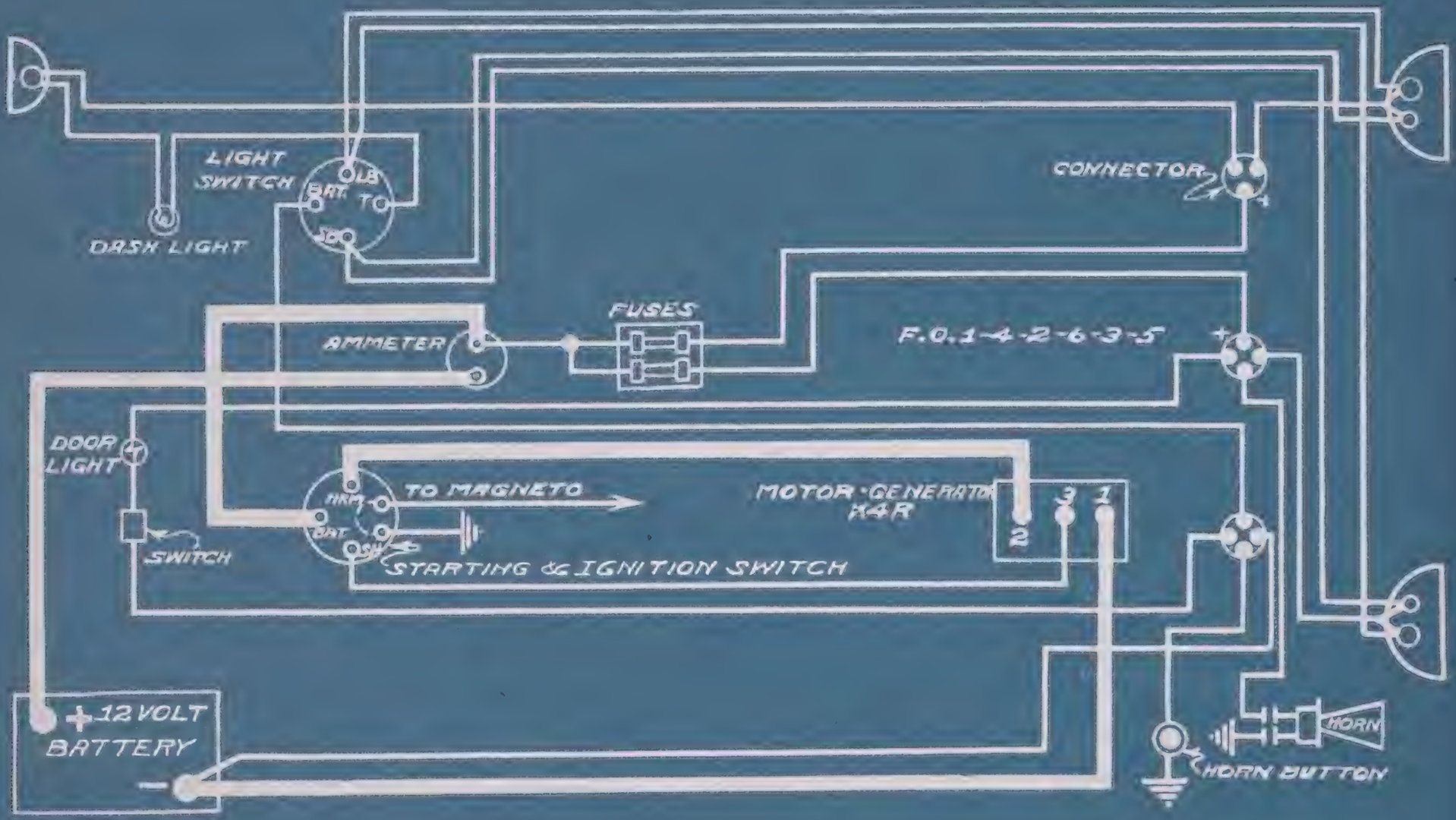
WESTINGHOUSE SYSTEM.



HOLMES 1918-19-20-21

DYNETO SYSTEM

EISEMANN IGN.



HOLMES "SERIES 4" 1922

DYNETO SYSTEM
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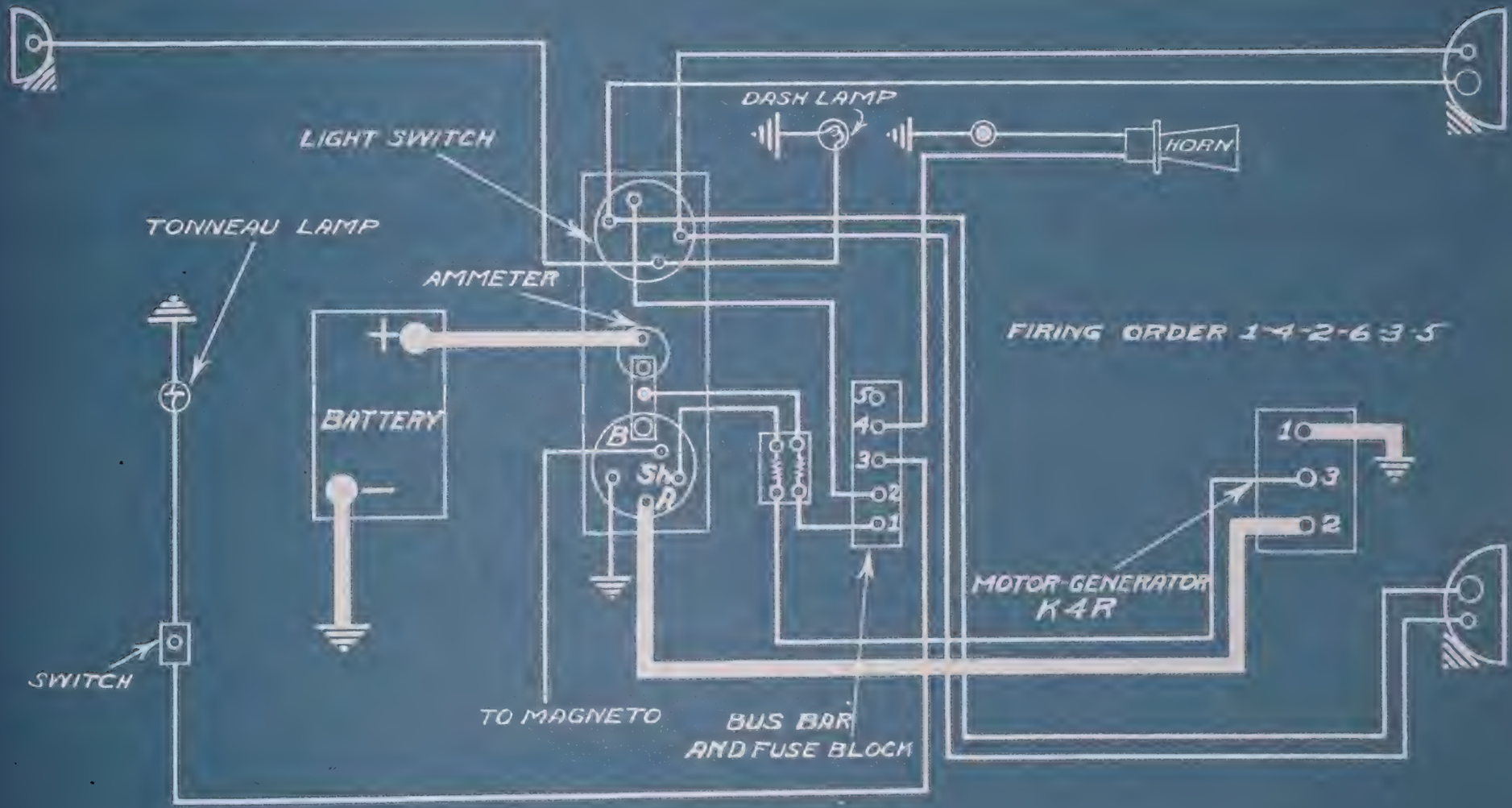
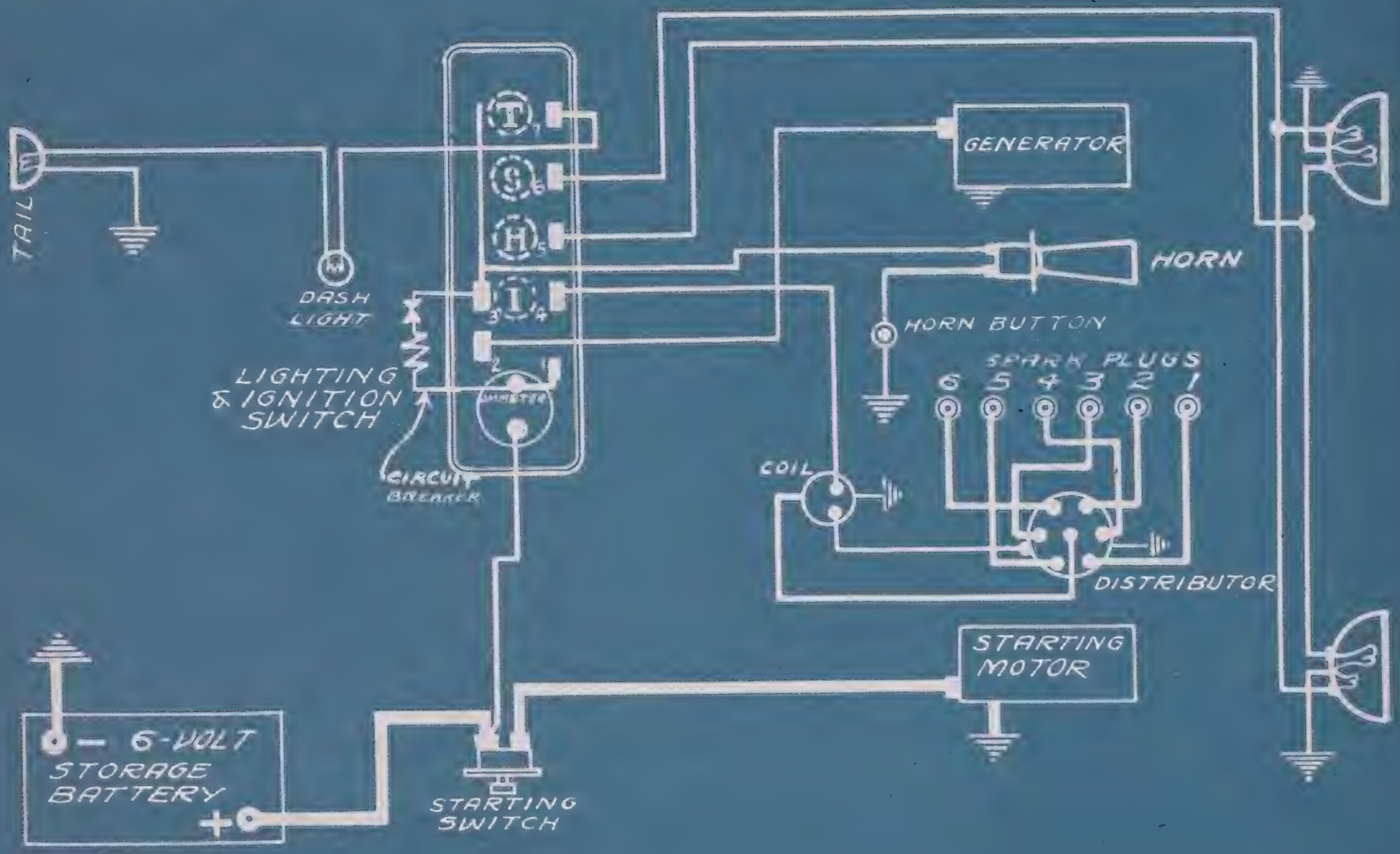
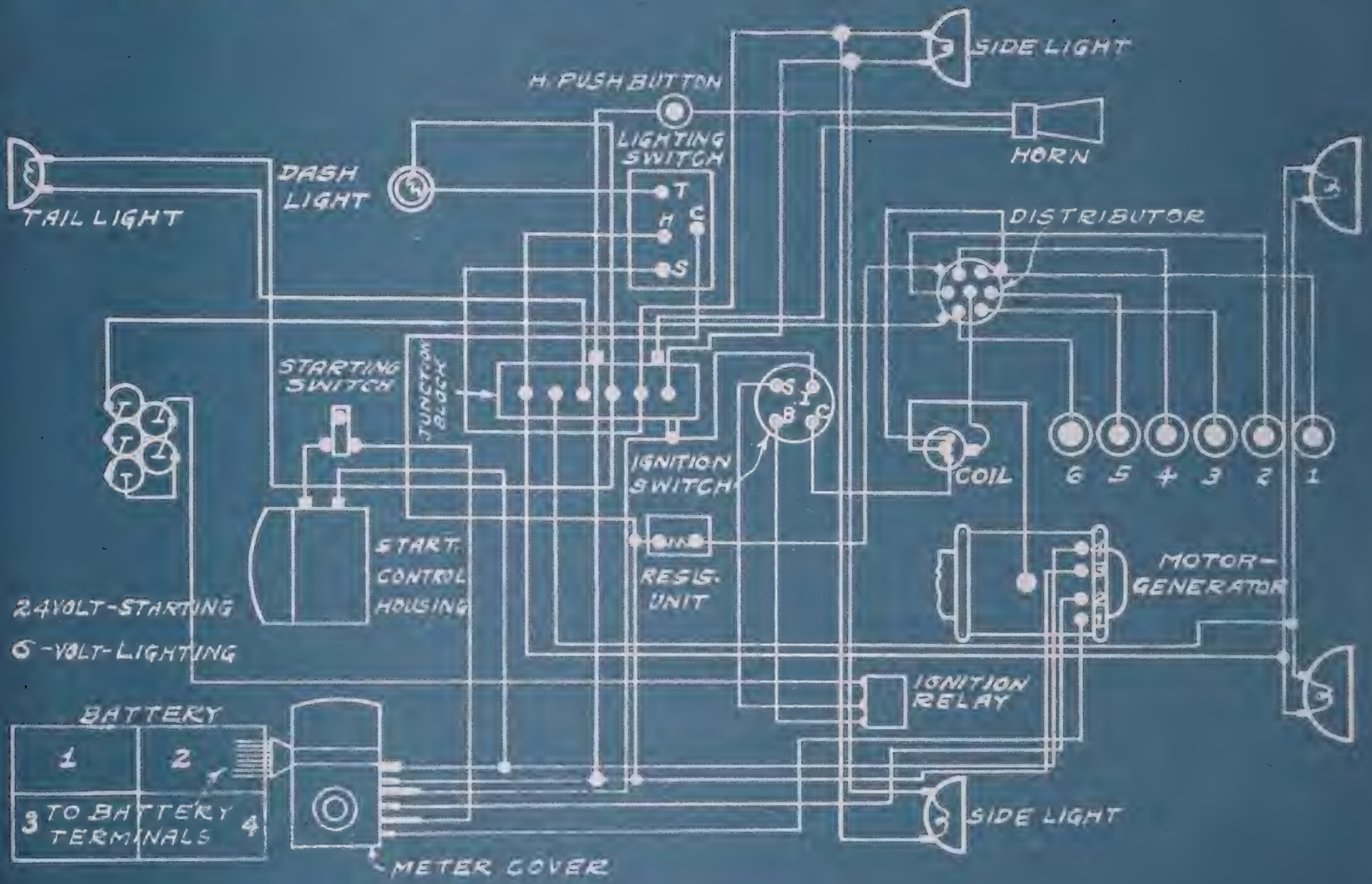


HOWARD 1917
DELCO SYSTEM



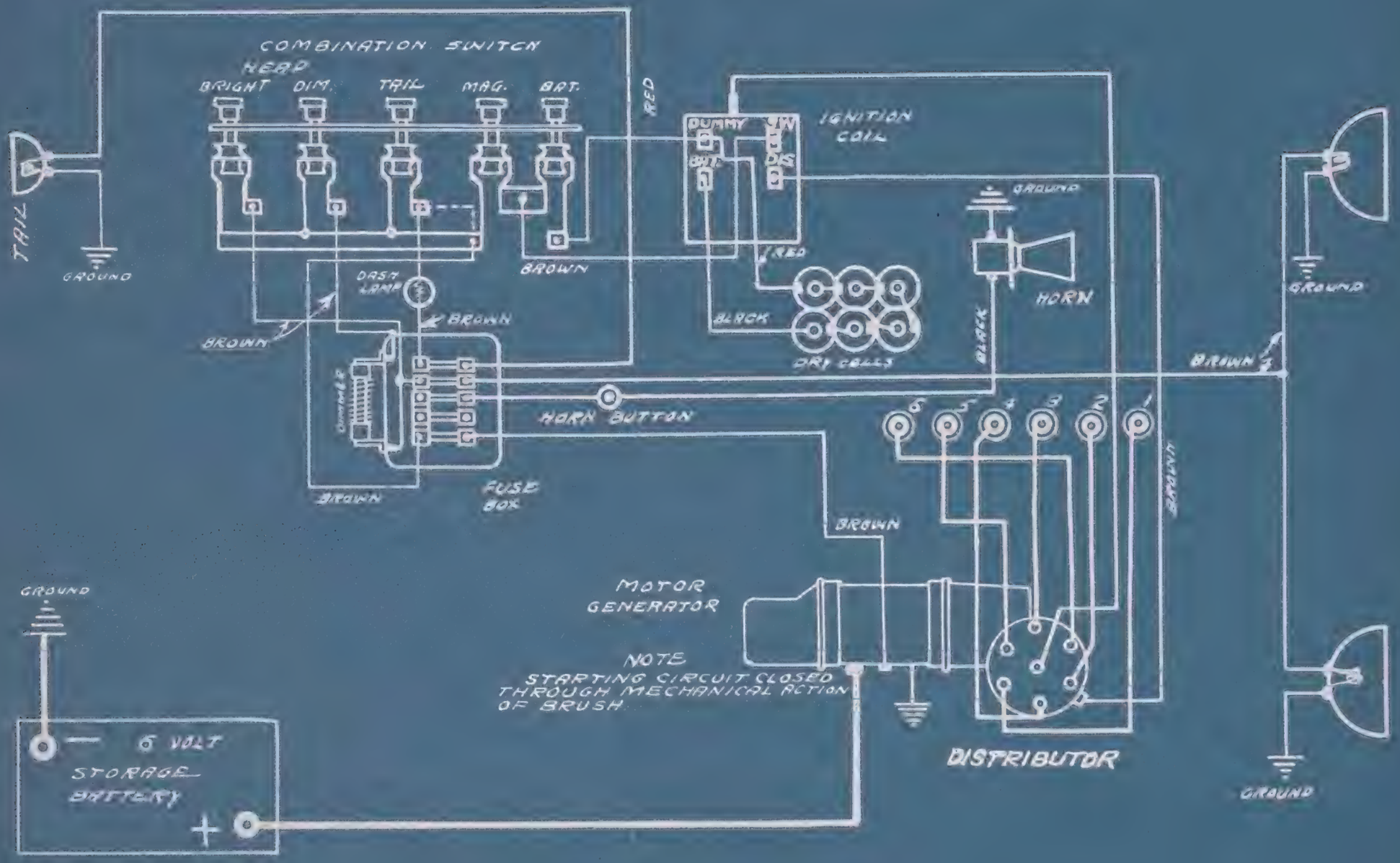
HUDSON 1913 37&54

DELCO SYSTEM

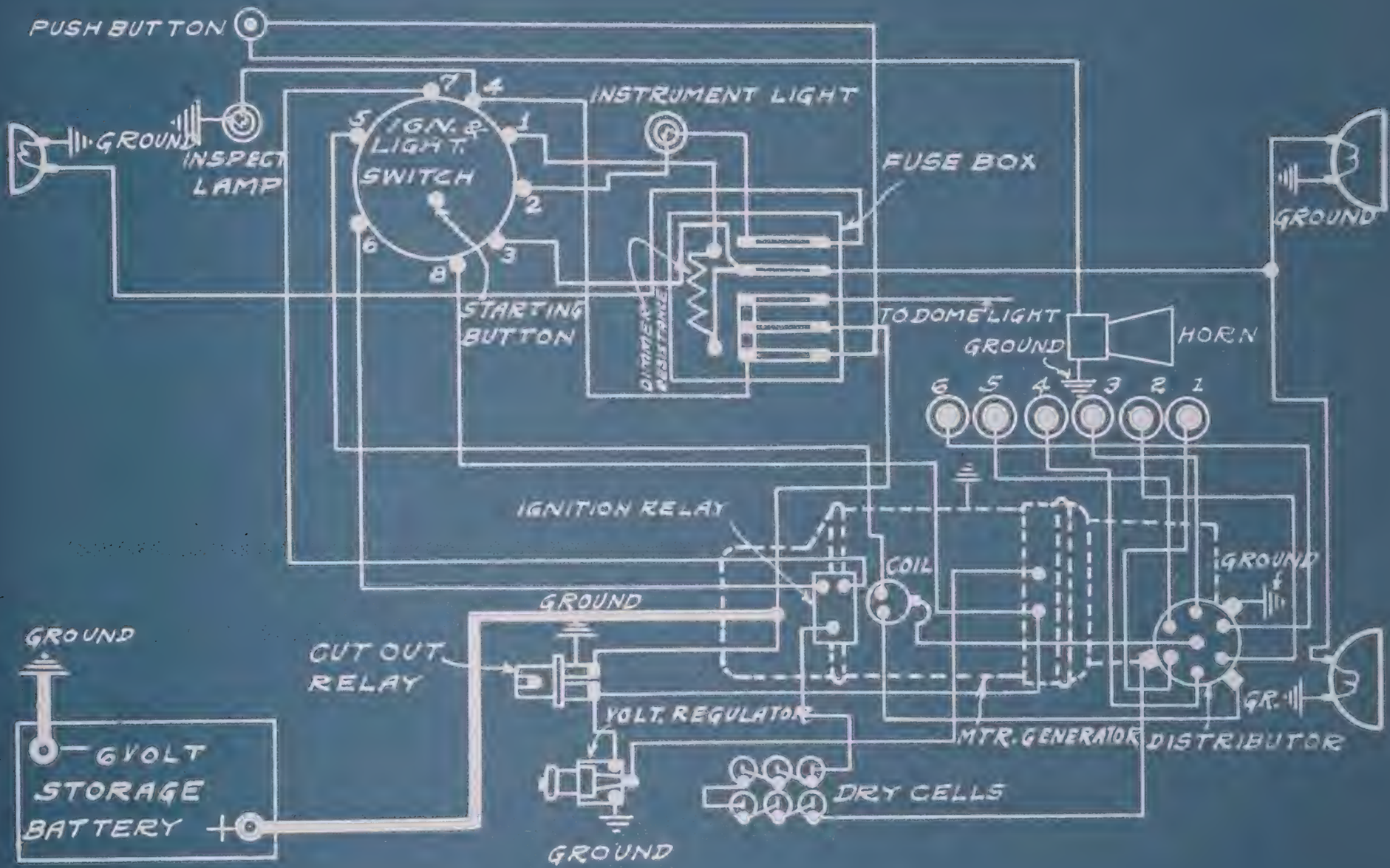


HUDSON 1914-1915 6-40

DELCO SYSTEM

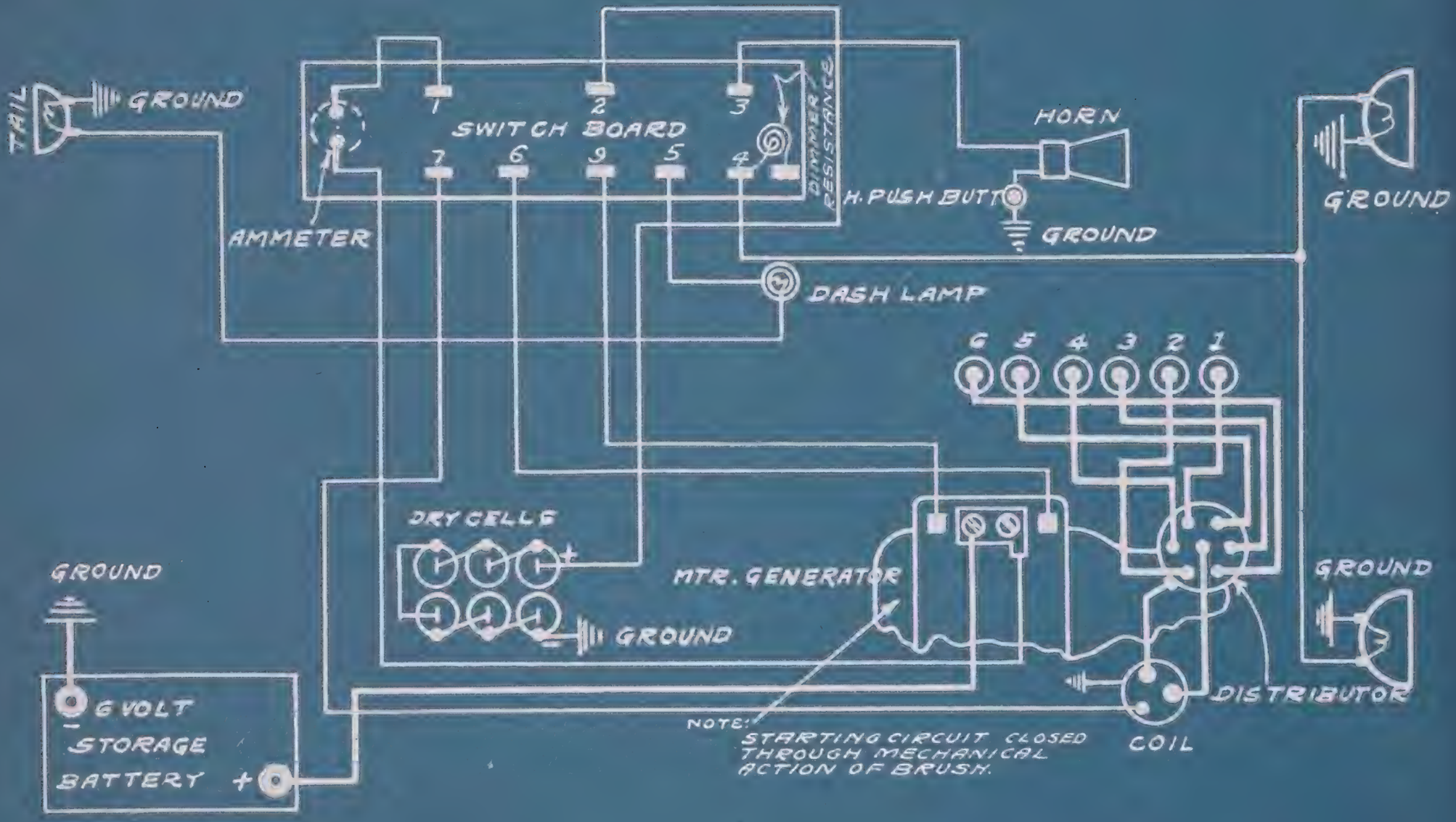


HUDSON 1914-15 6-54
DELCO SYSTEM



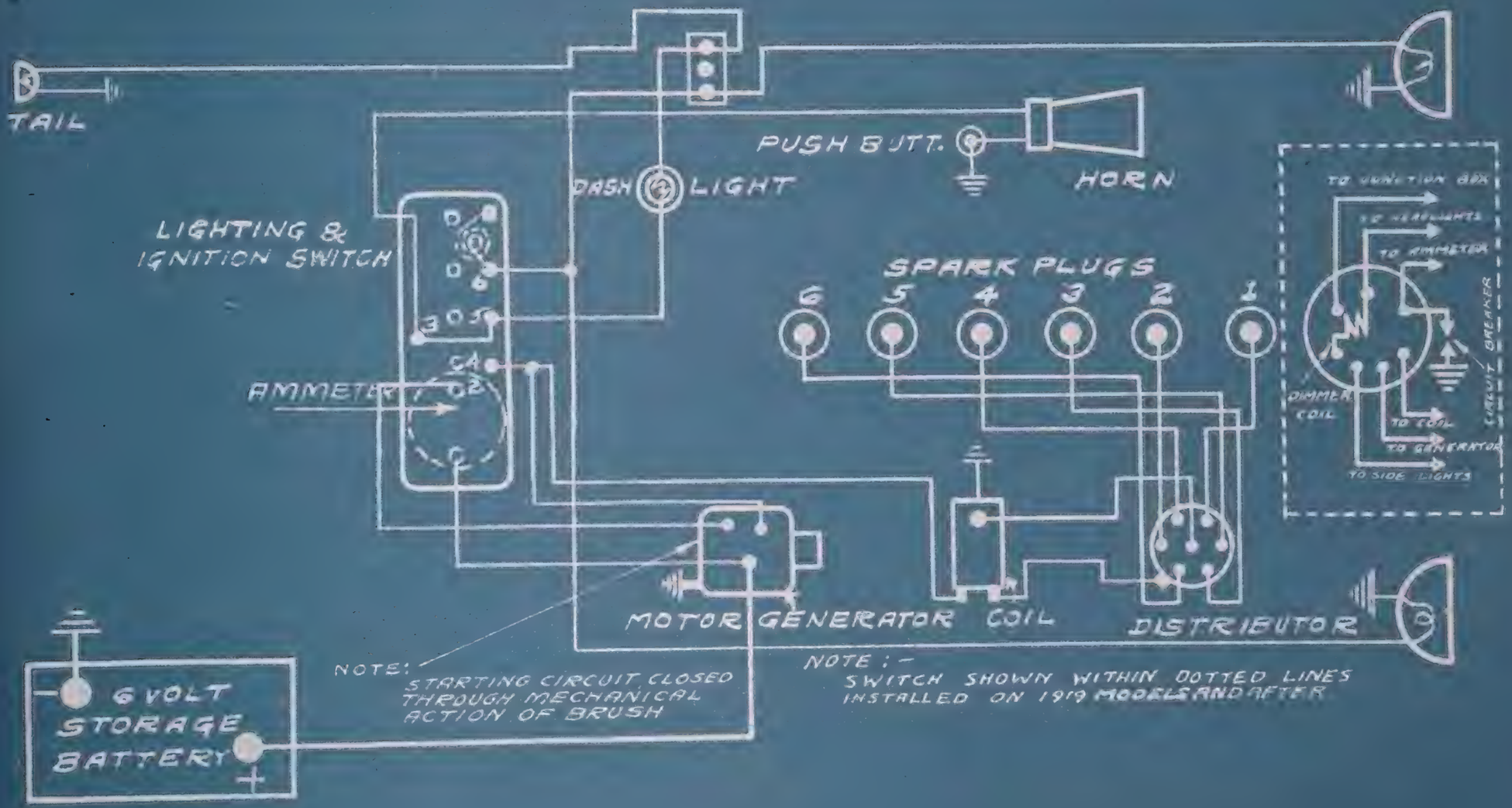
HUDSON 1916 6-40

DELCO SYSTEM



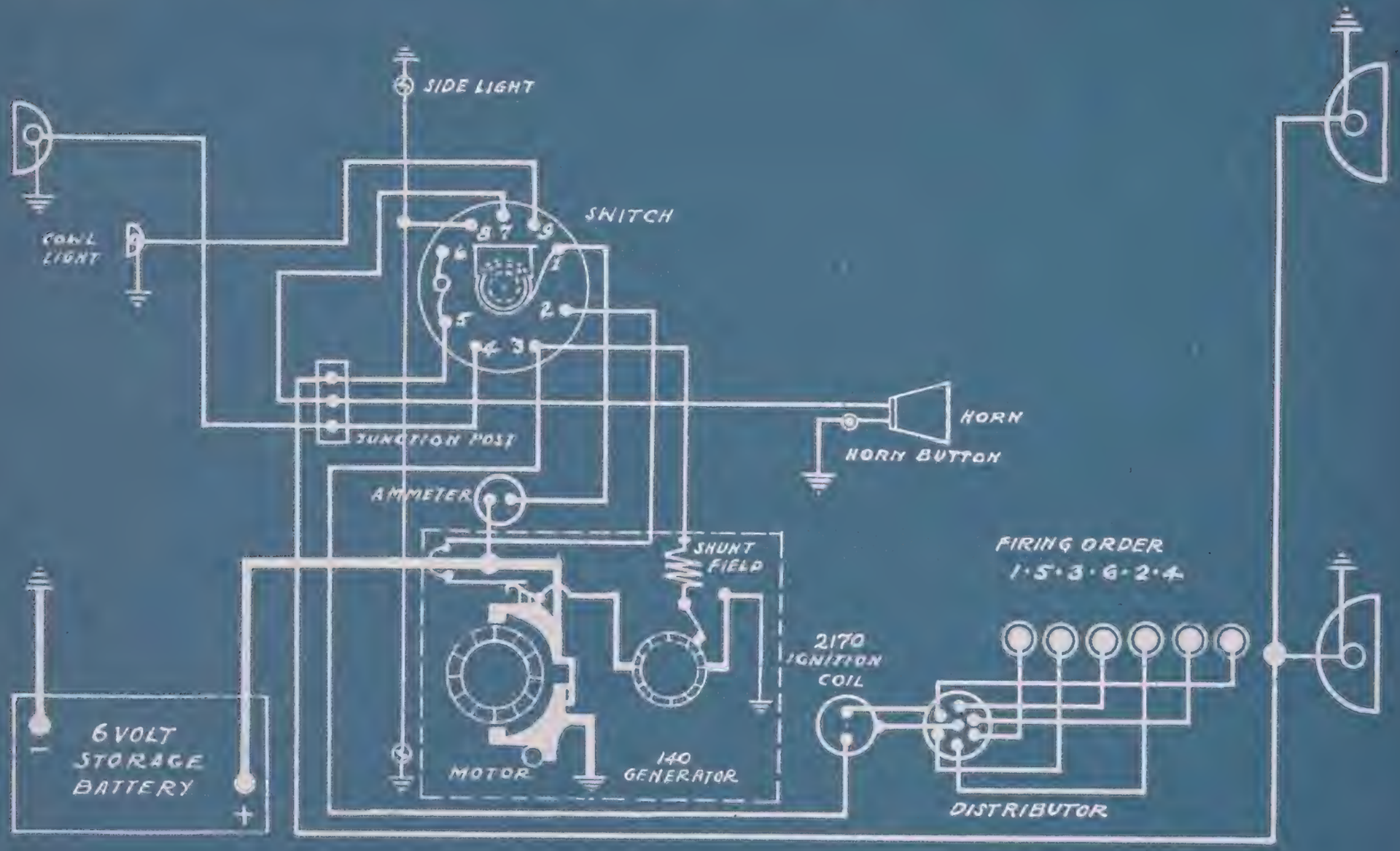
HUDSON SUPER-SIX 1916-17-18-19

DELCO SYSTEM



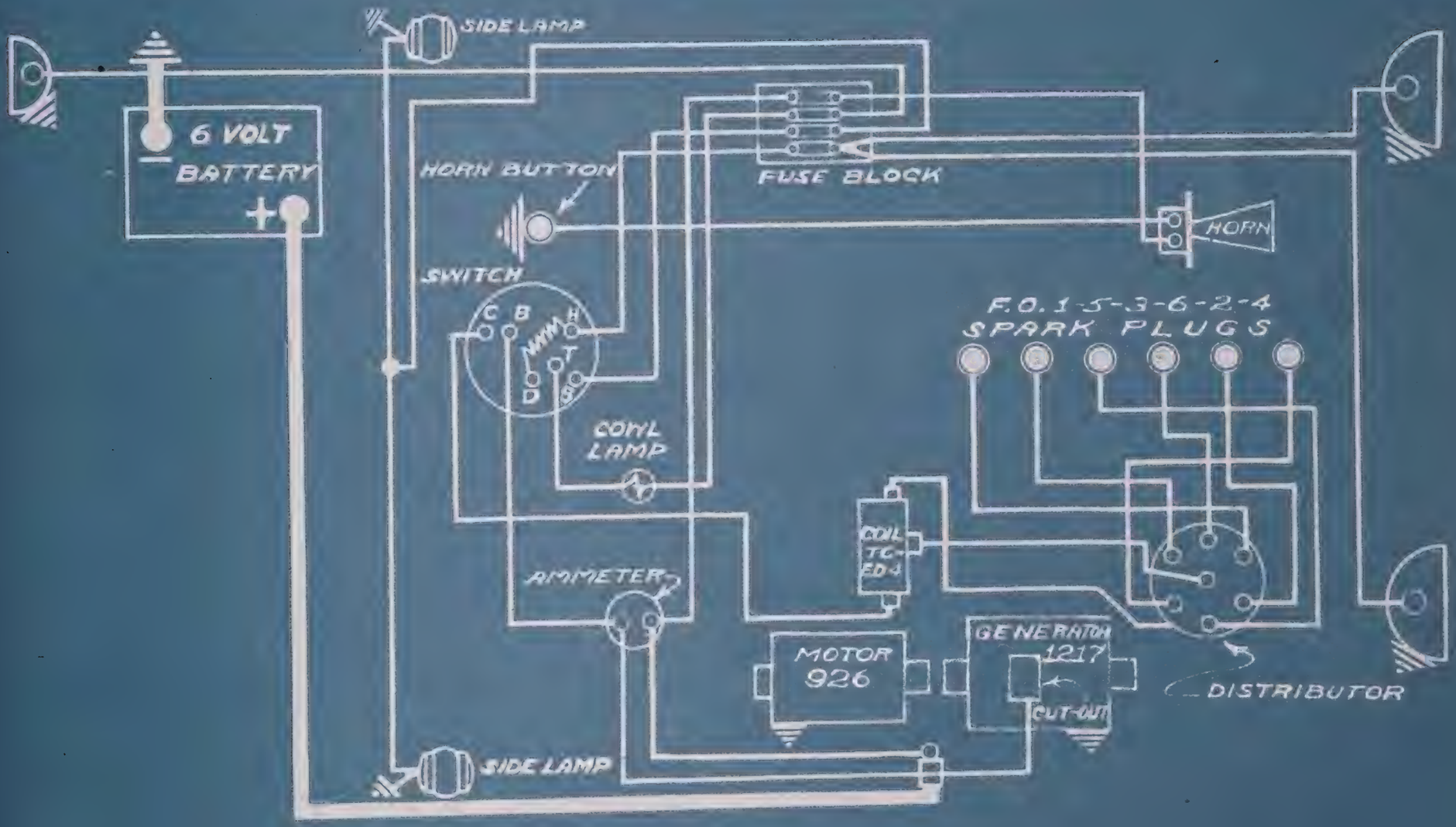
HUDSON SUPER SIX O 1920-1921

DELCO SYSTEM — AFTER 34980 CARS



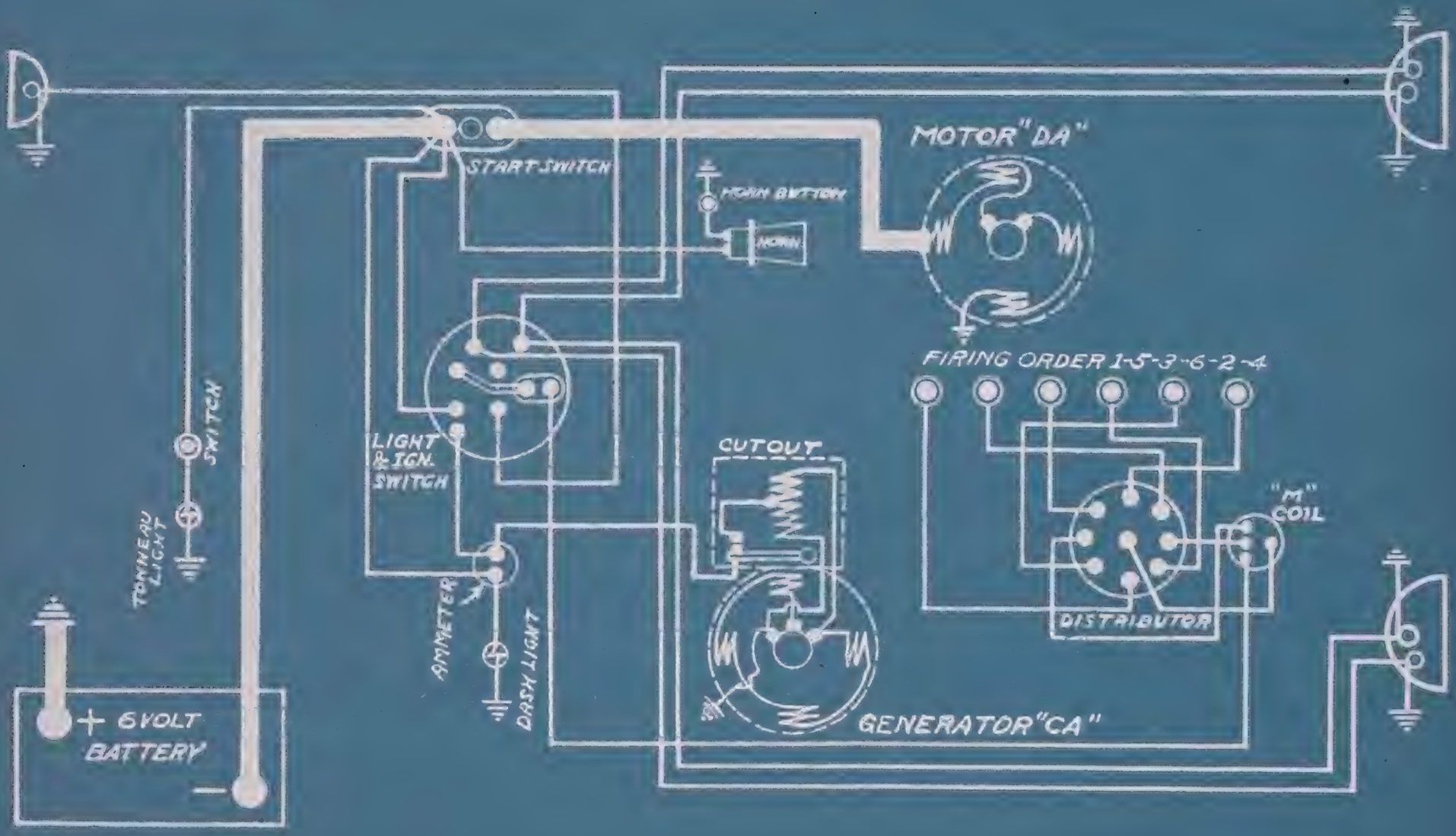
HUDSON SUPER "6" 1922

BOSCH SYSTEM

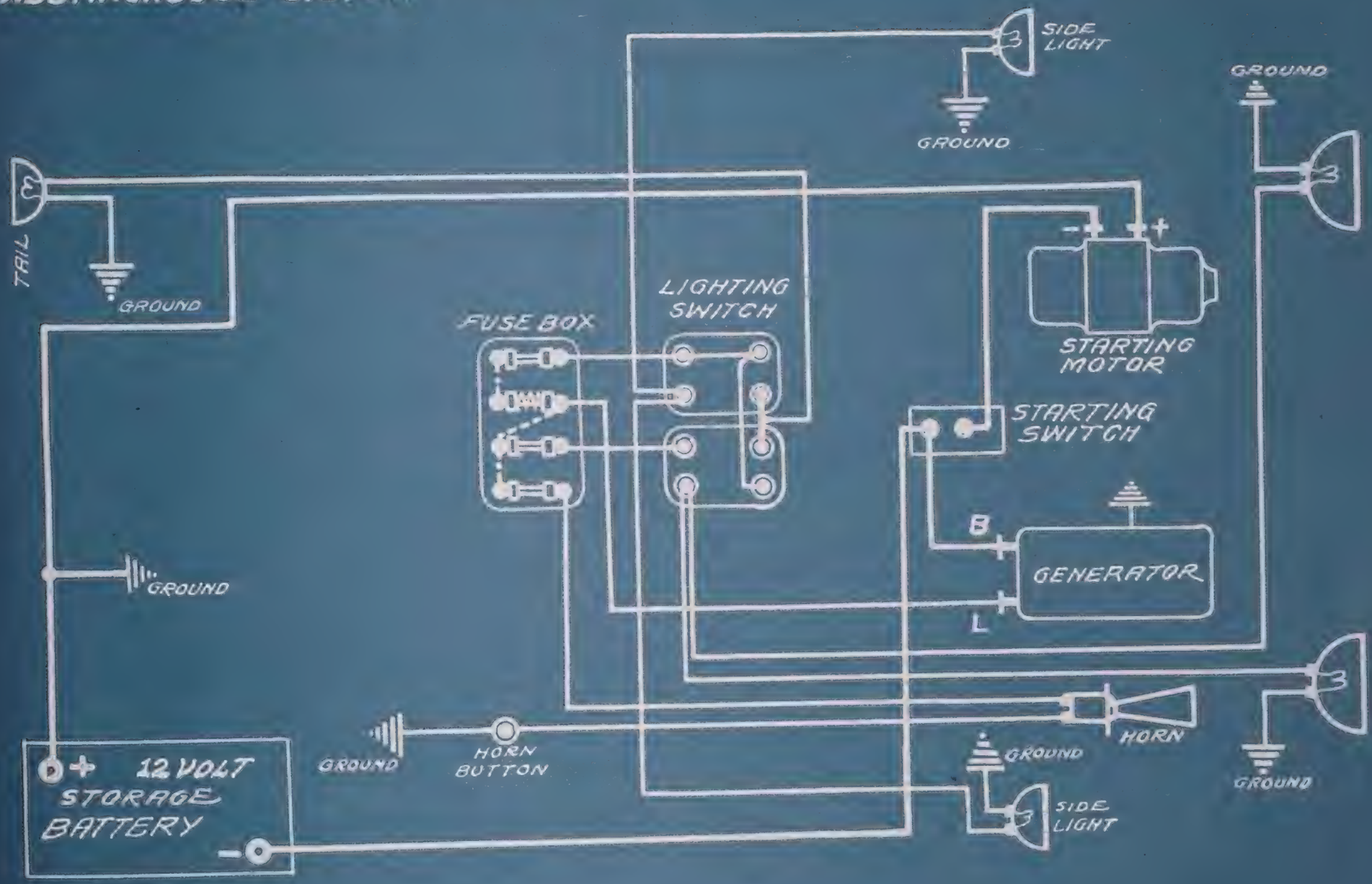


HUFFMAN 1921-22

DYNETO SYSTEM
CONNECTICUT IGN.

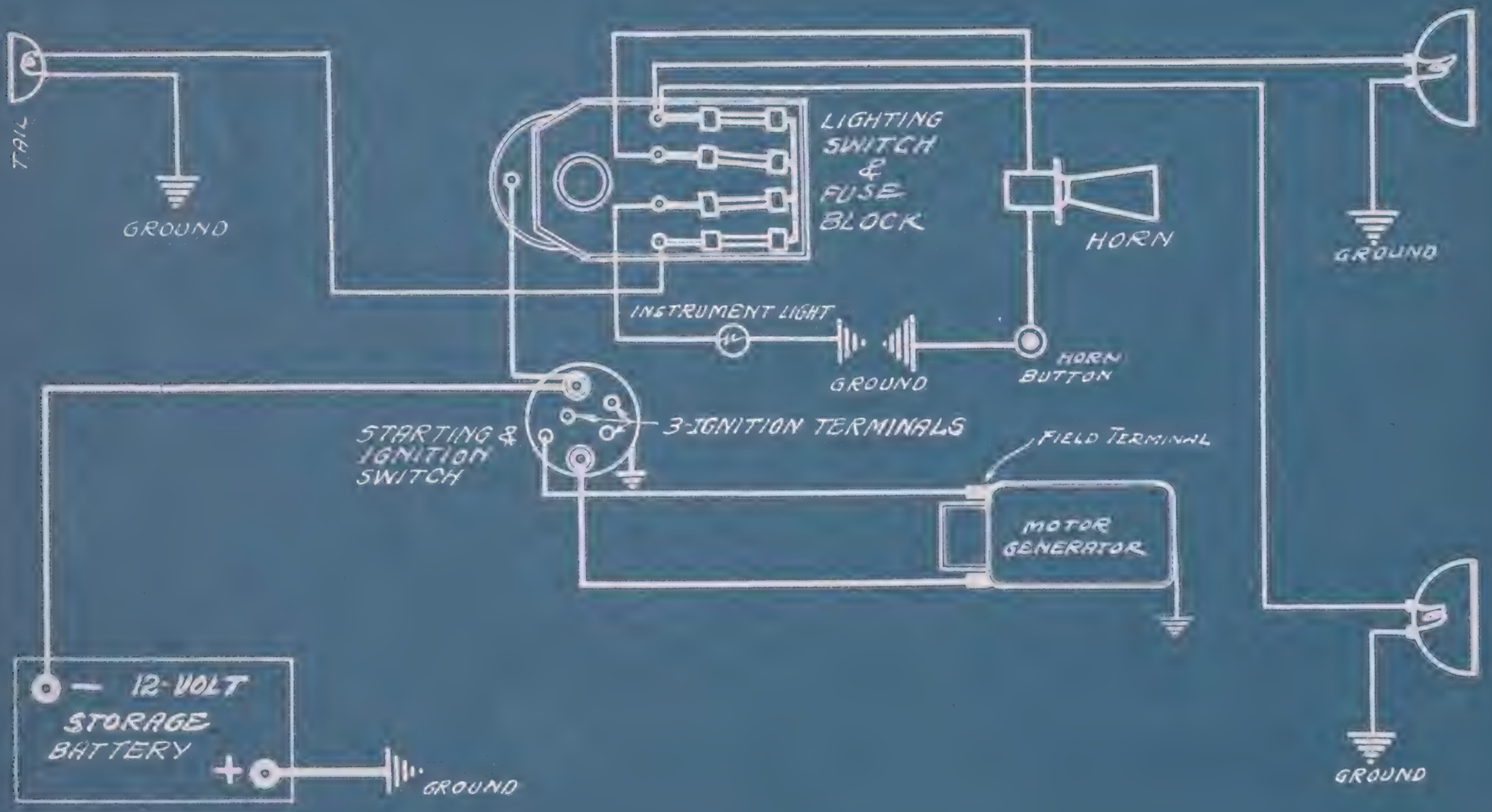


HUPMOBILE 1914-1915 "HA"
WESTINGHOUSE SYSTEM

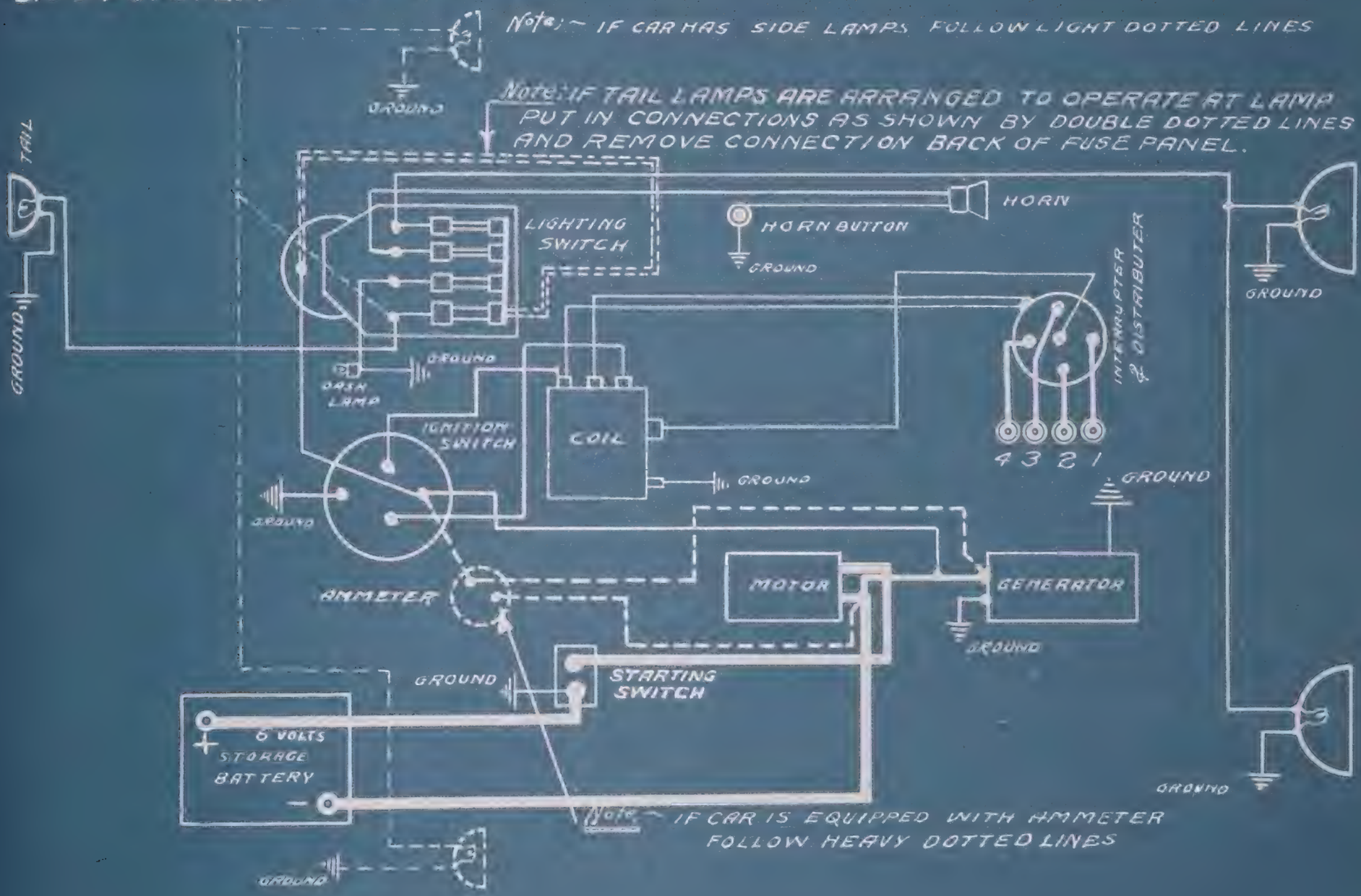


HUPMOBILE 1915 "K"

WESTINGHOUSE STARTING & LIGHTING SYSTEM

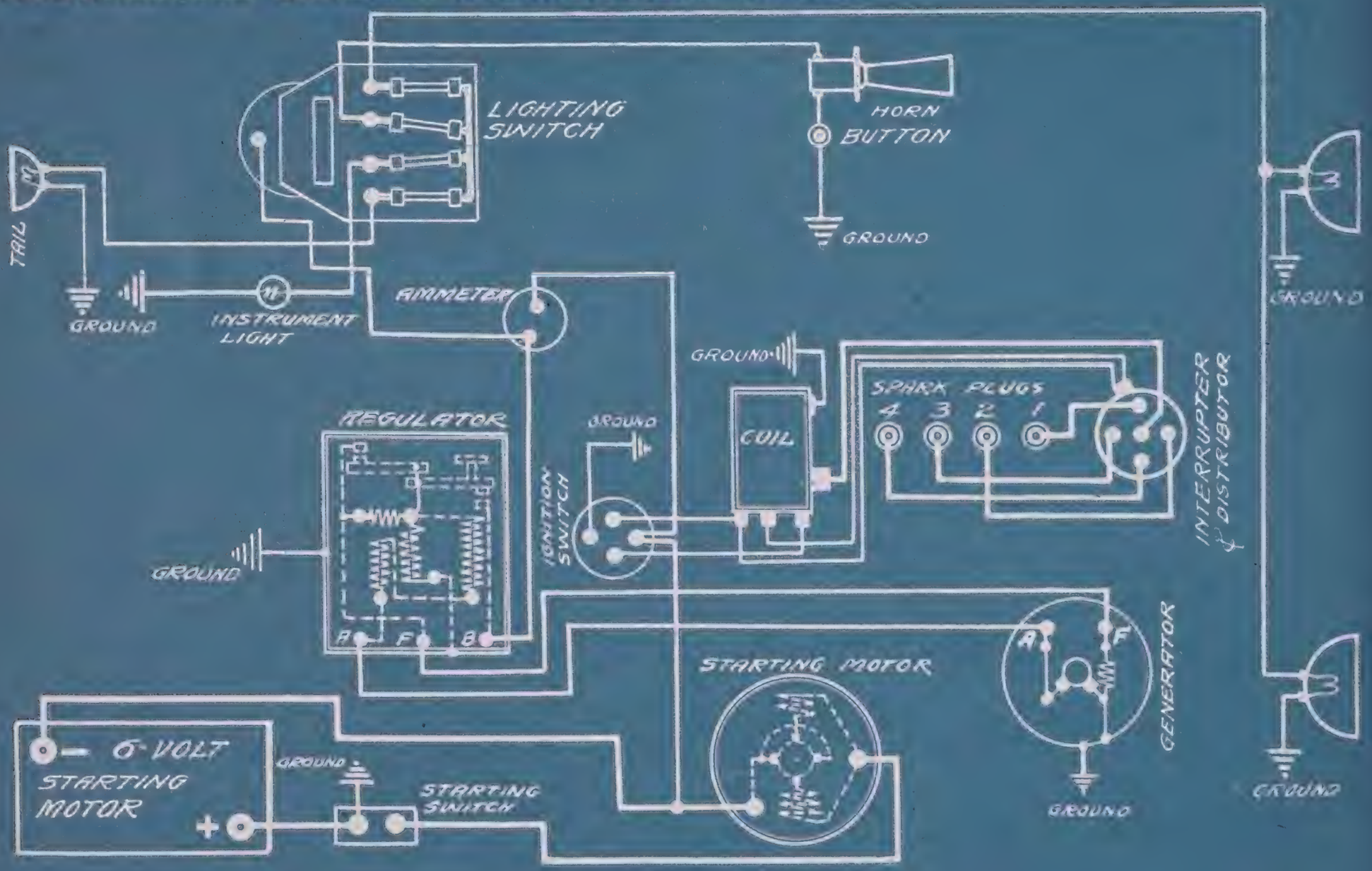


HUPMOBILE 1916 "N"
BIJUR SYSTEM



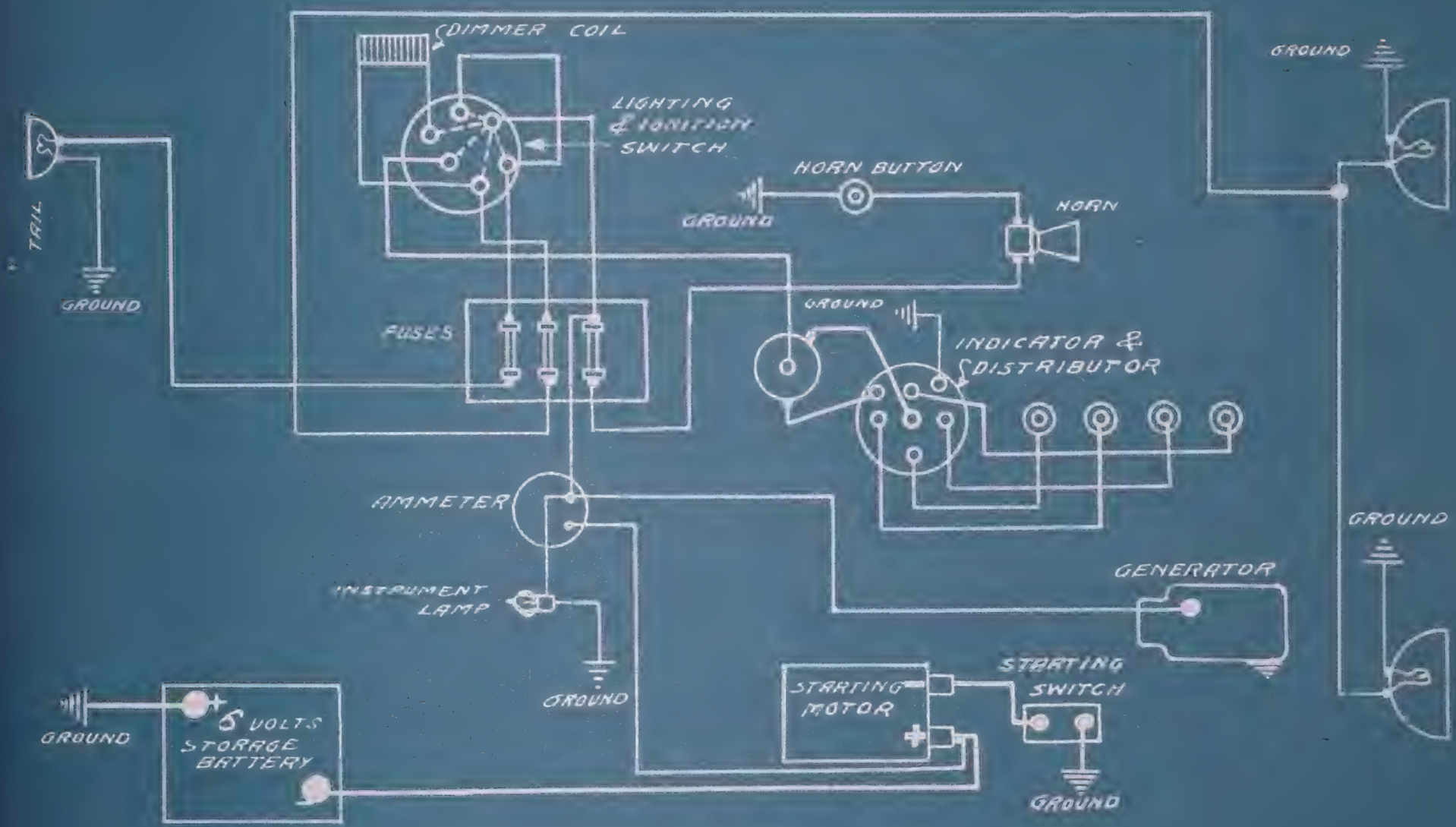
HUPMOBILE 1916-7 "N"

WESTINGHOUSE SYSTEM & ATWATER-KENT IGNITION



HUPMOBILE 1918 "R" 1919 EARLY MODELS

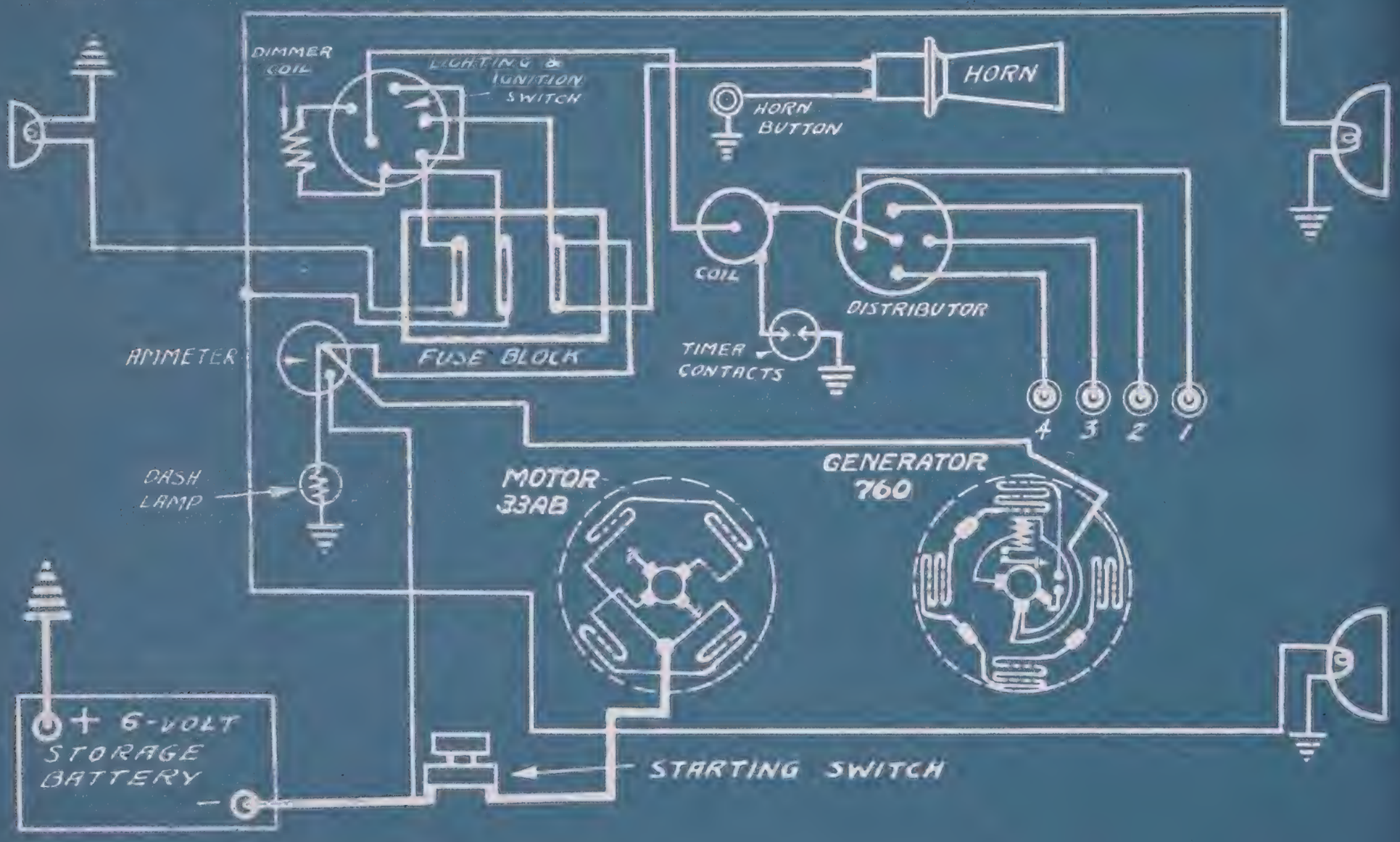
BIJUR SYSTEM - ATWATER KENTIGN.



HUPMOBILE 1919-1920-1921-1922

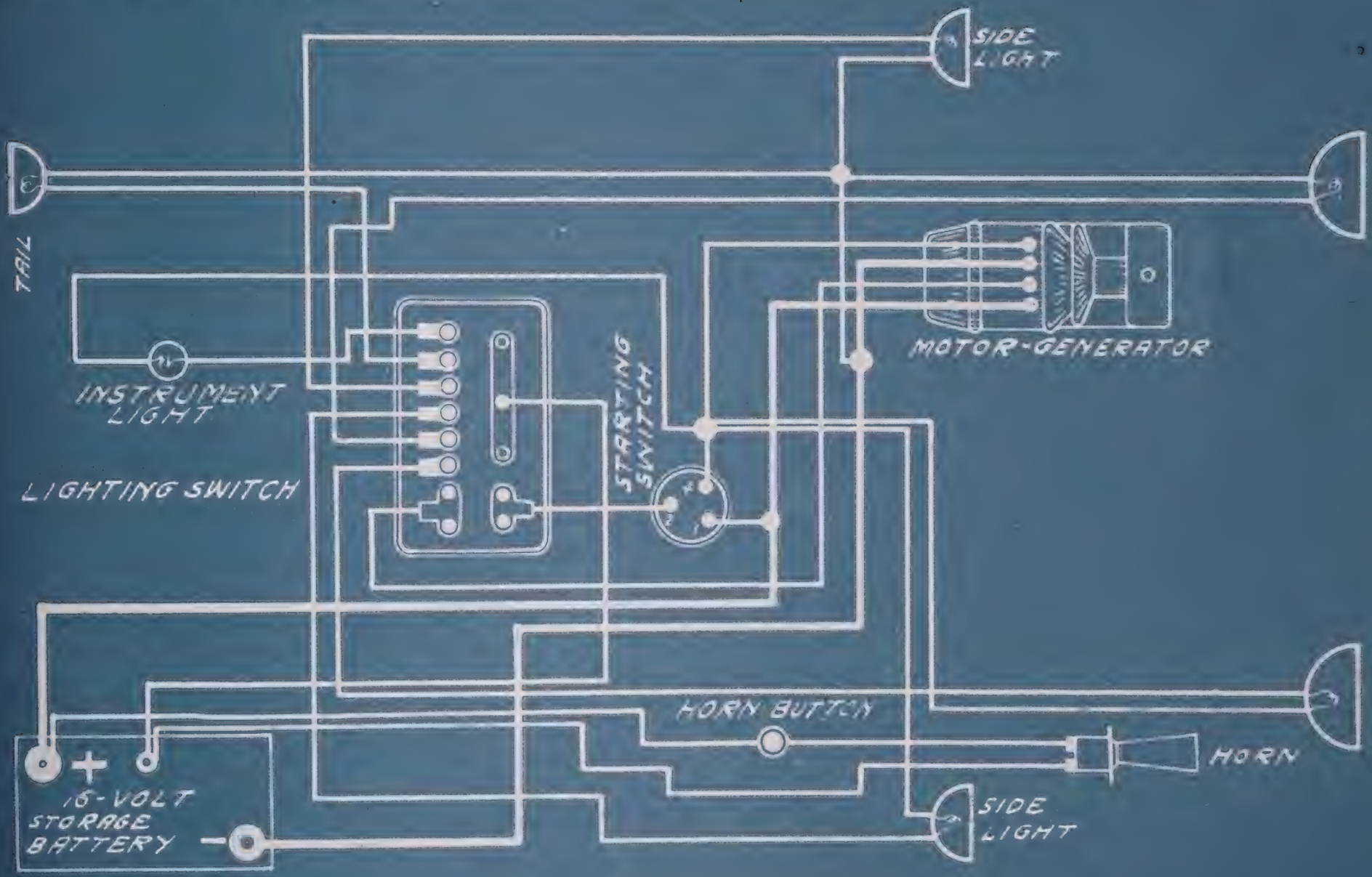
WESTINGHOUSE

A-KENT IGNITION & REMY



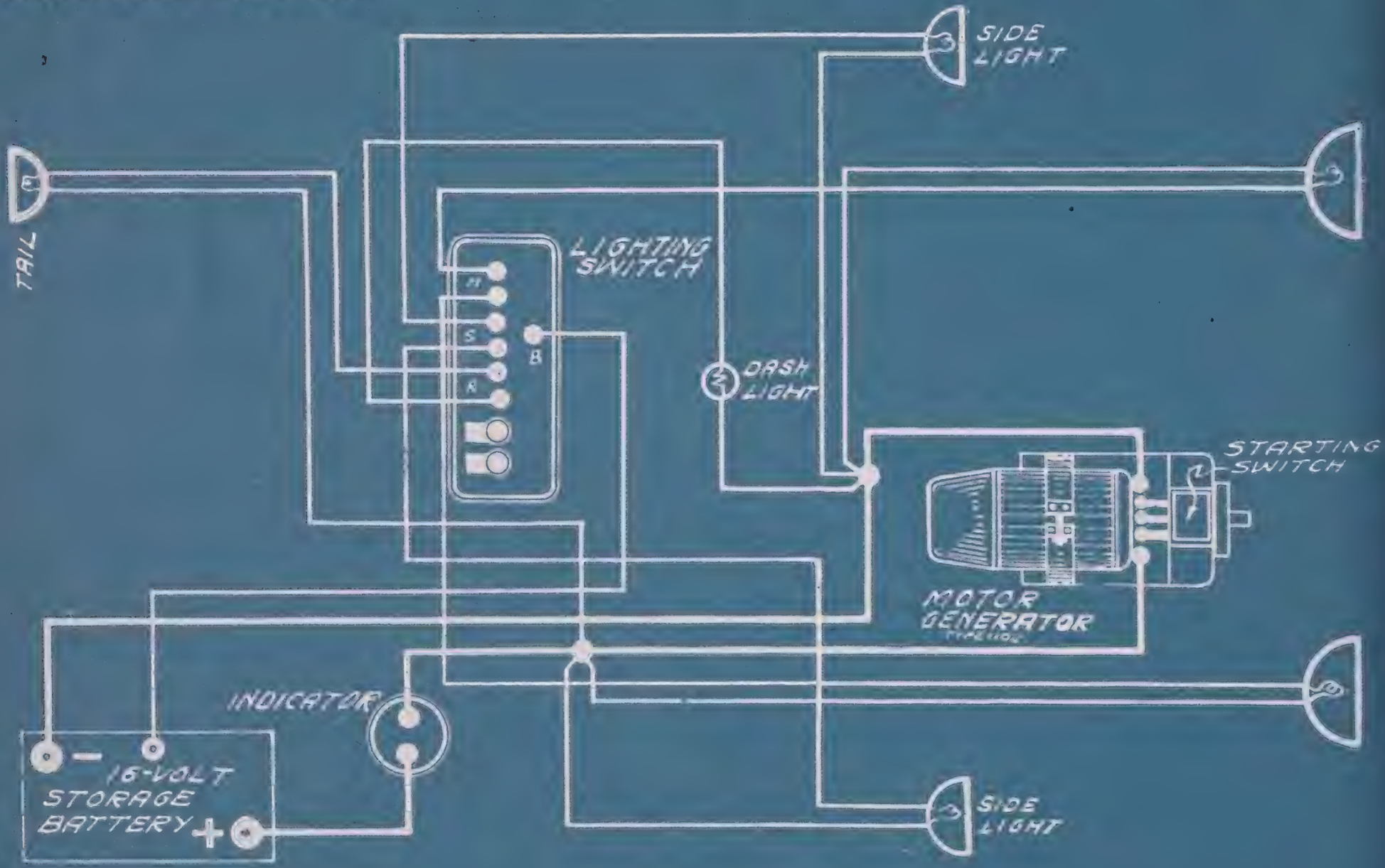
IMPERIAL 1913 "34"

NORTH-EAST SYSTEM



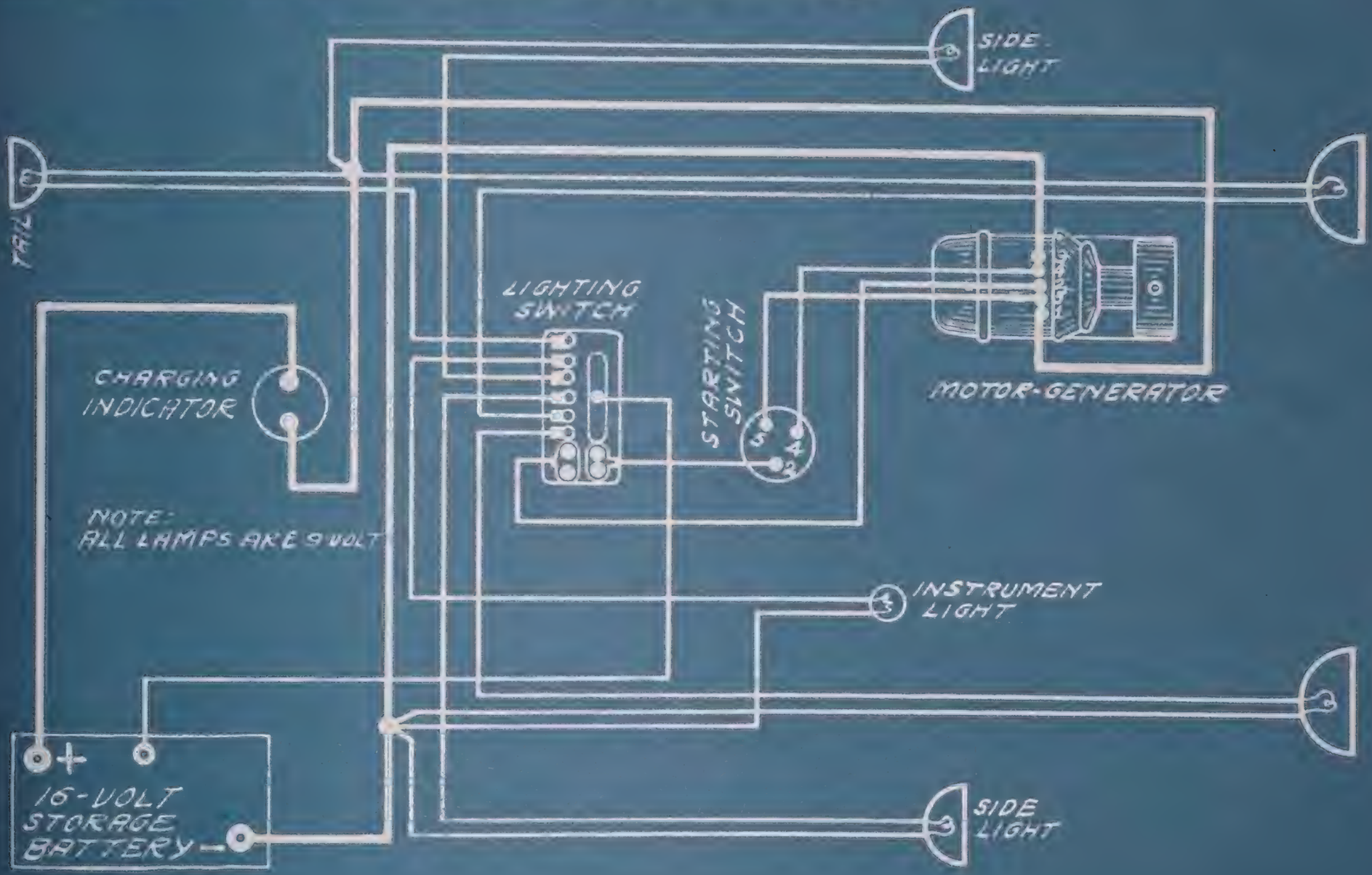
IMPERIAL 1914 32-34-39-44-54 & 56

NORTH-EAST SYSTEM



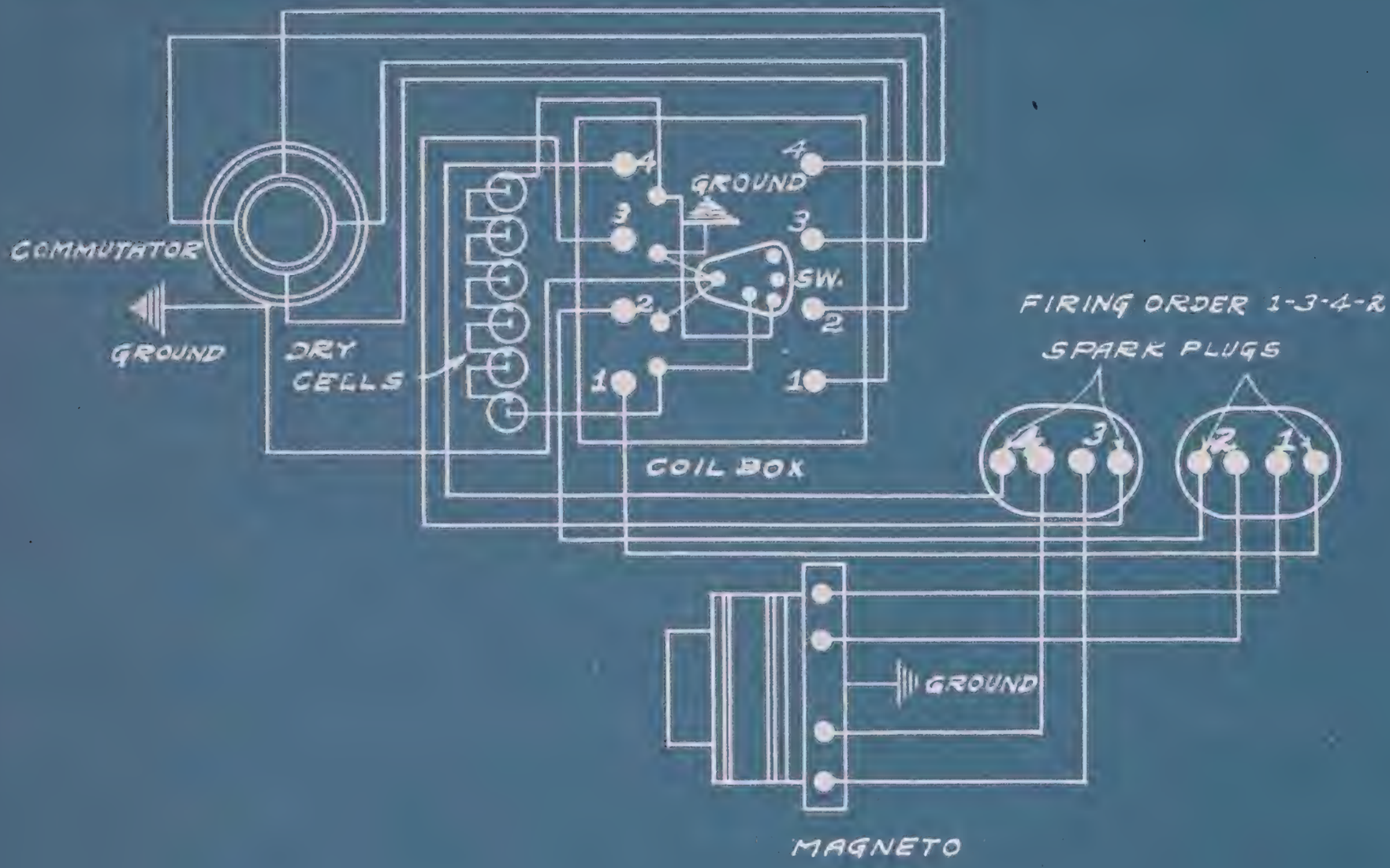
IMPERIAL 1914 "34"

NORTH-EAST SYSTEM USED ON EARLY 1914 MODEL



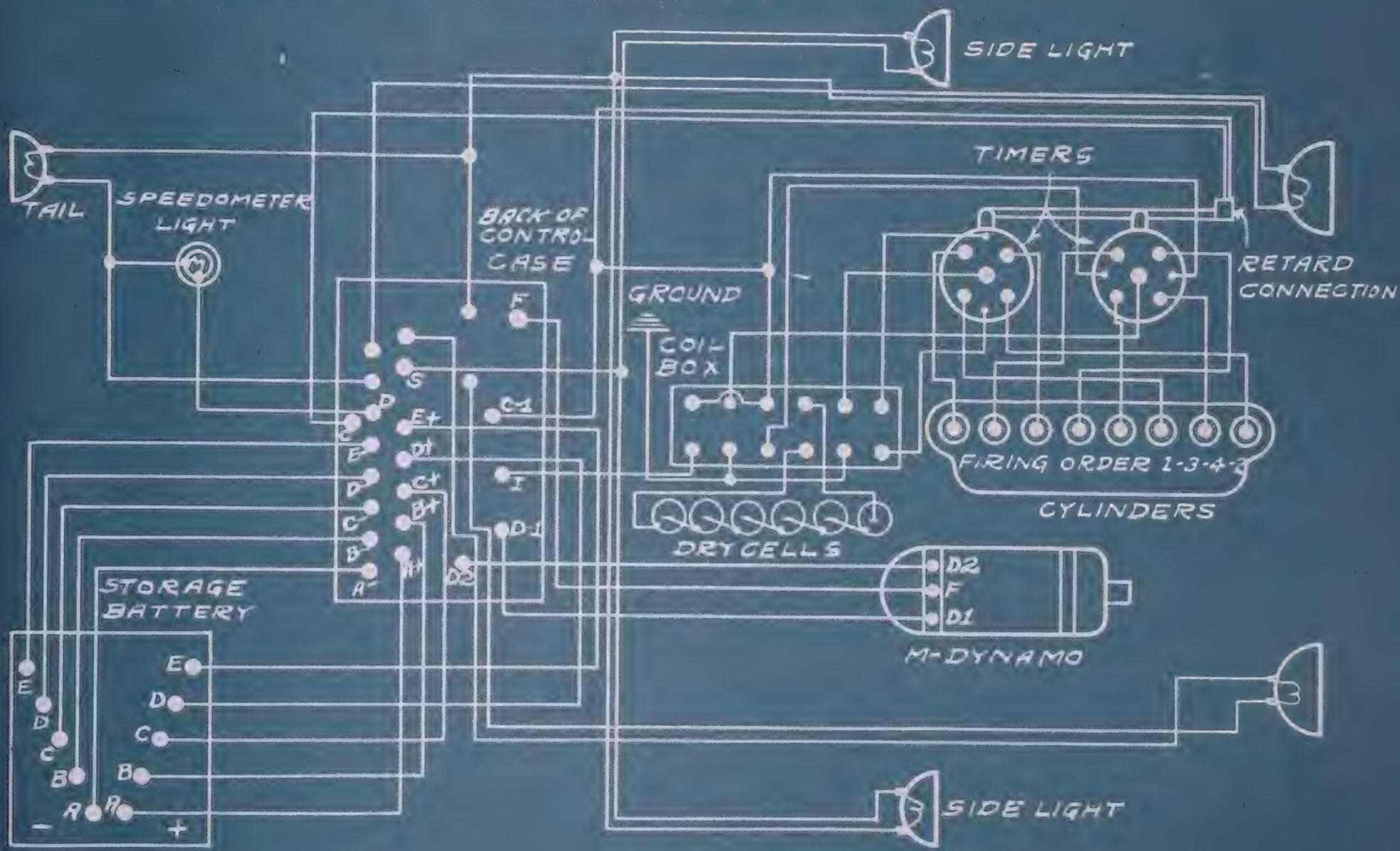
INTER STATE 1909-10-11 25T034 INCL.

IGNITION WIRING



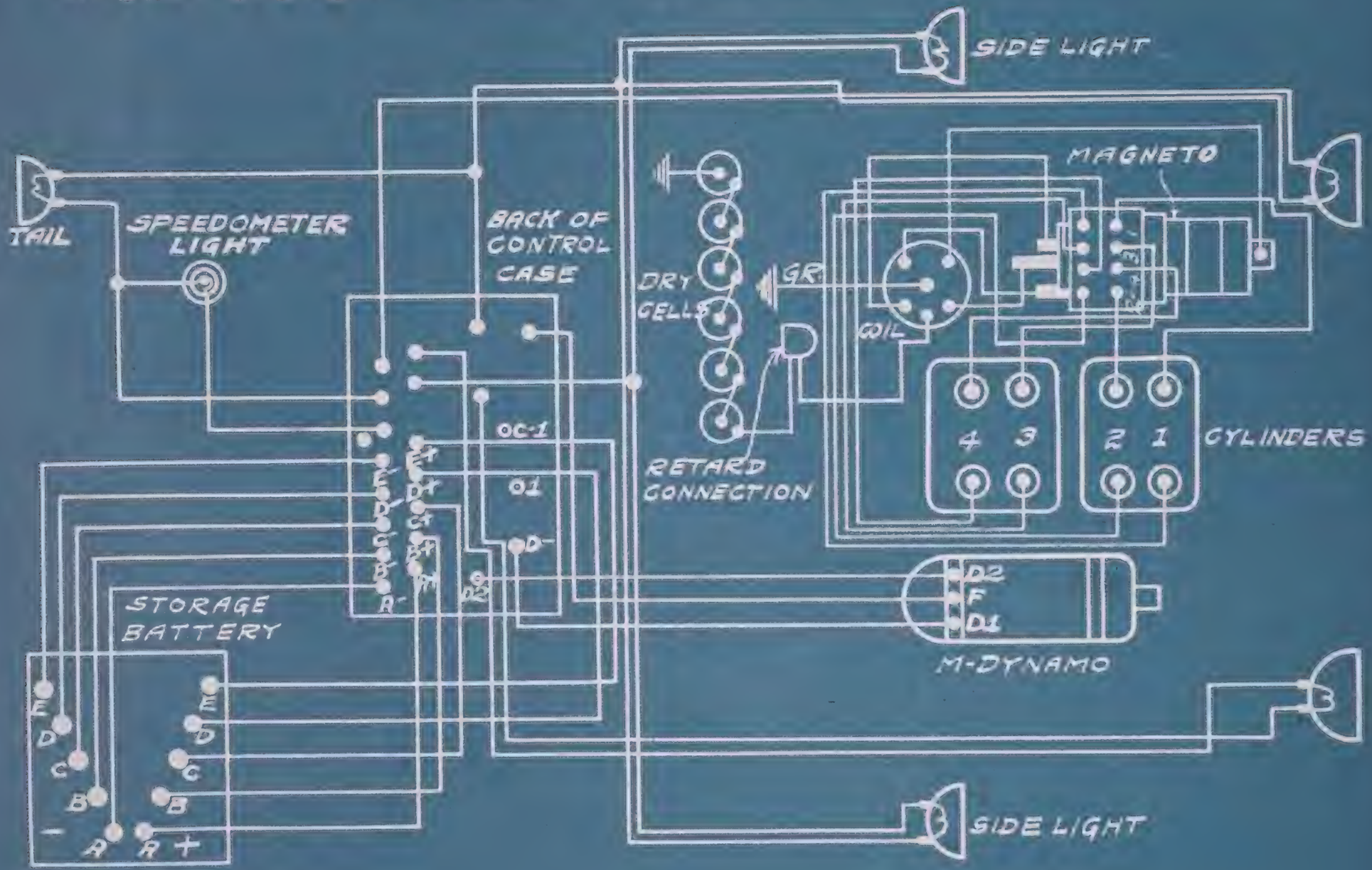
INTER STATE 1912 40-41-42

STARTING & LIGHTING WIRING APELCO SYSTEM



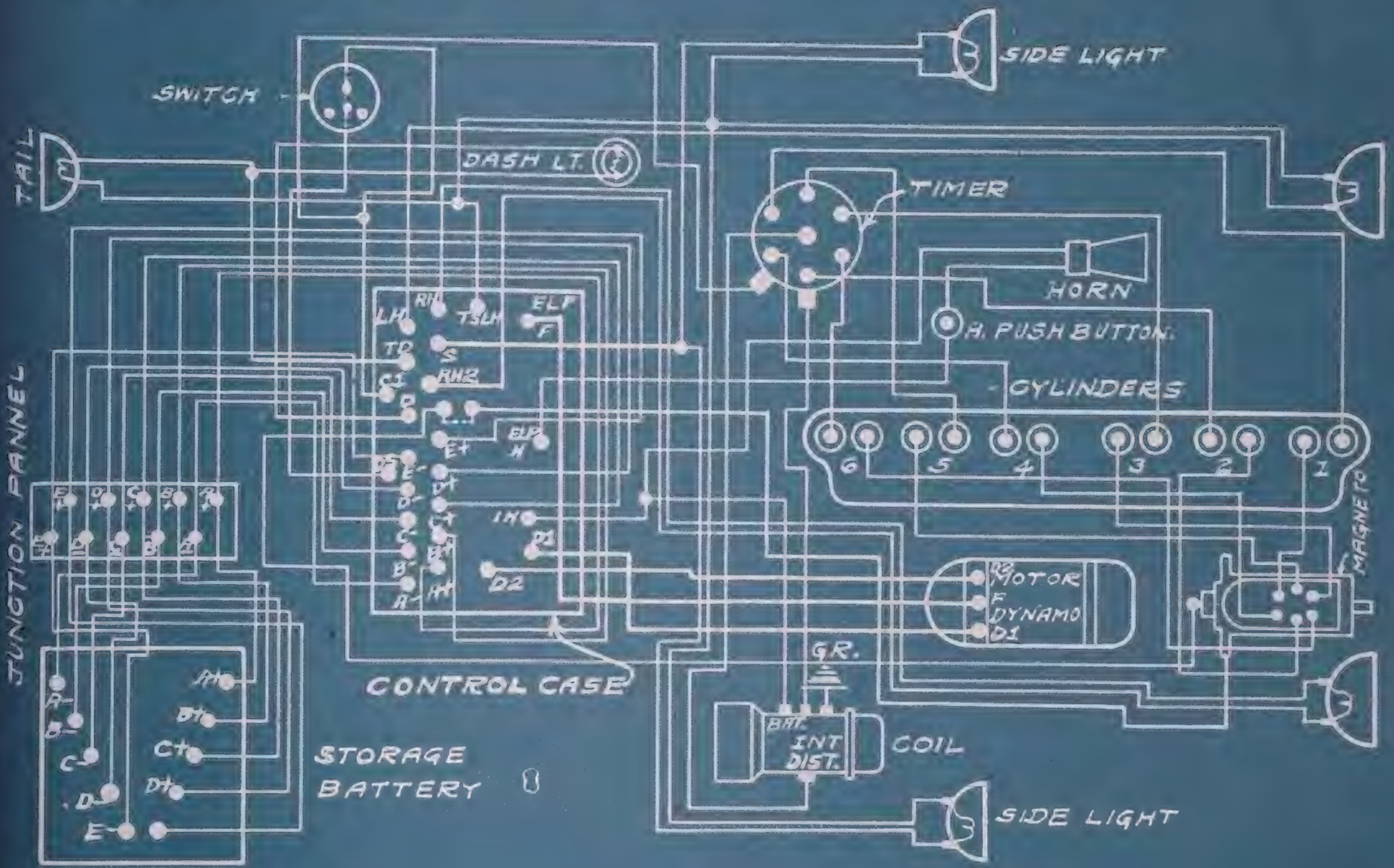
INTER STATE 1912 50-51-52

APELCO SYSTEM



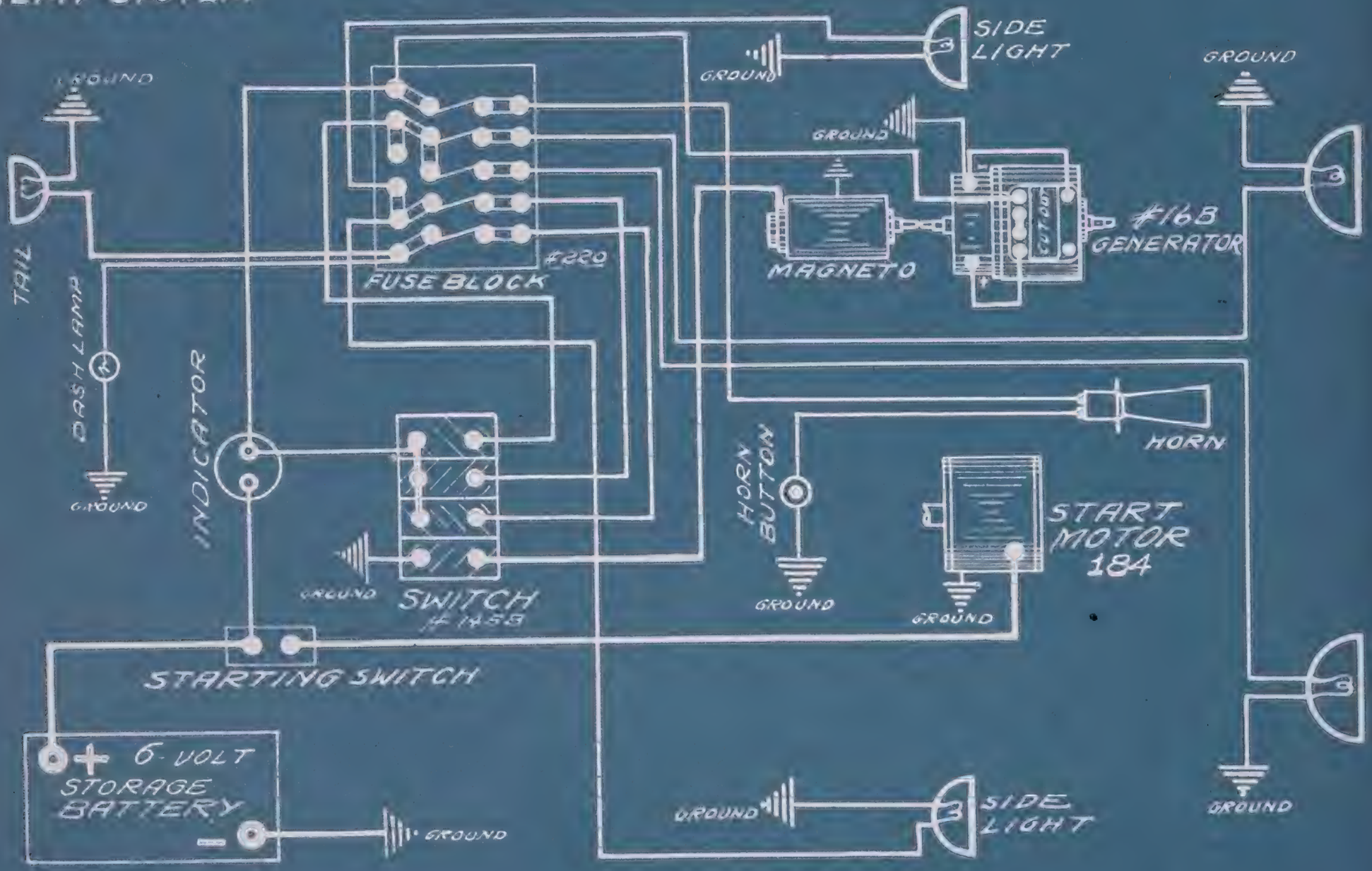
INTER STATE 1913-14 45

APELCO SYSTEM



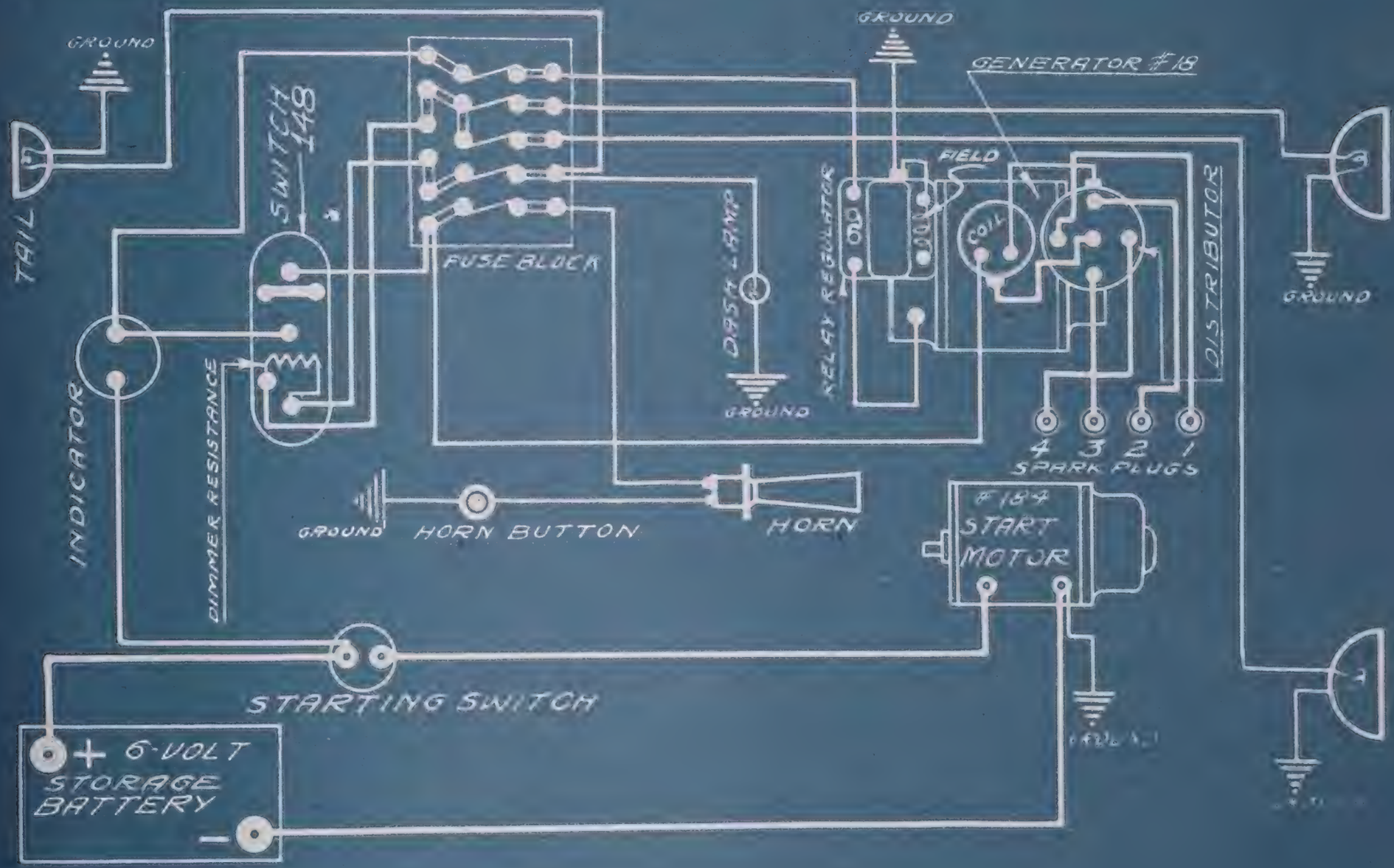
INTER-STATE 1915-16-17-18 MODEL "TF"

REMY SYSTEM



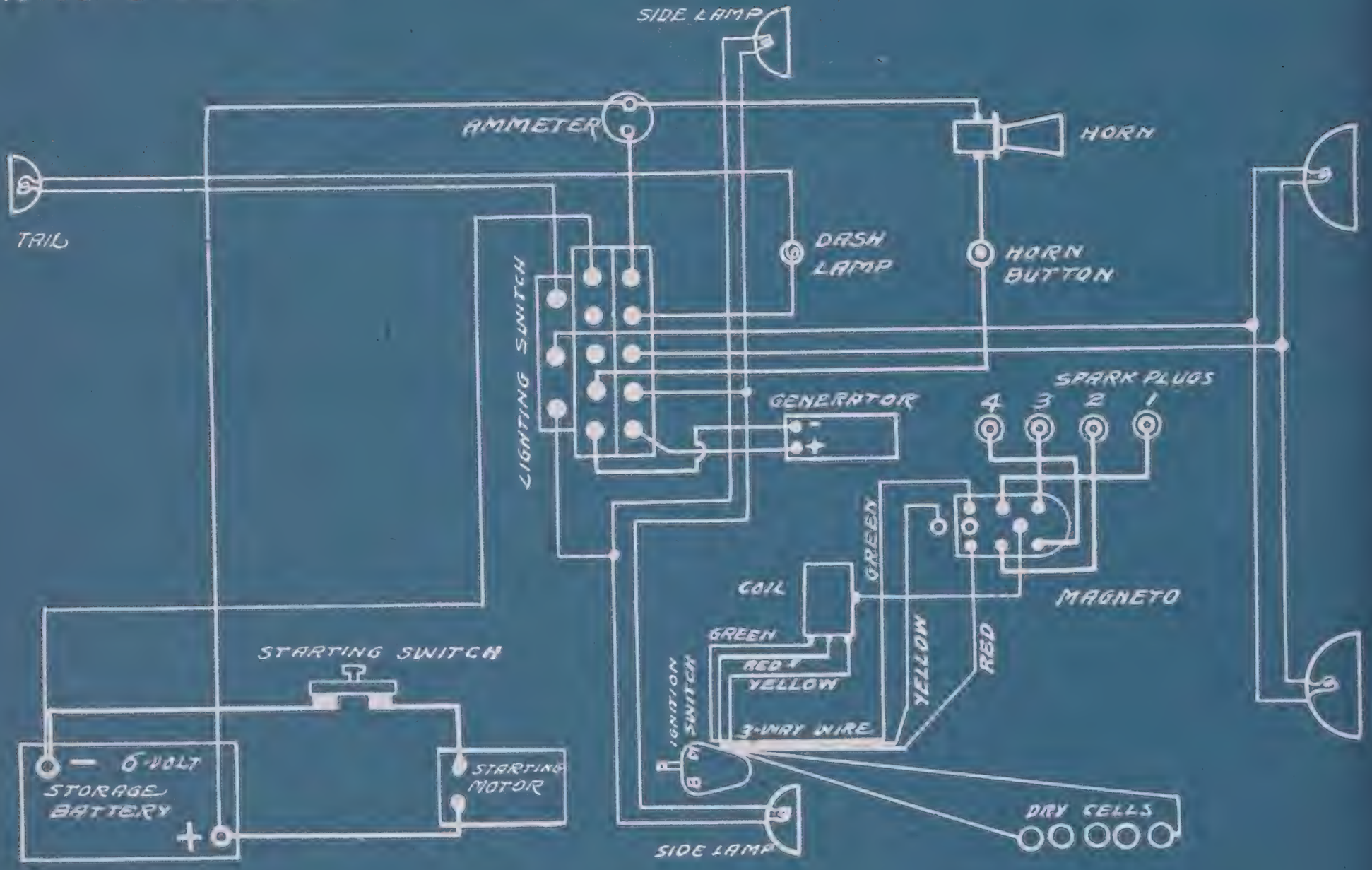
INTER-STATE 1915-16-17-18 MODELS T & TR

REMY SYSTEM



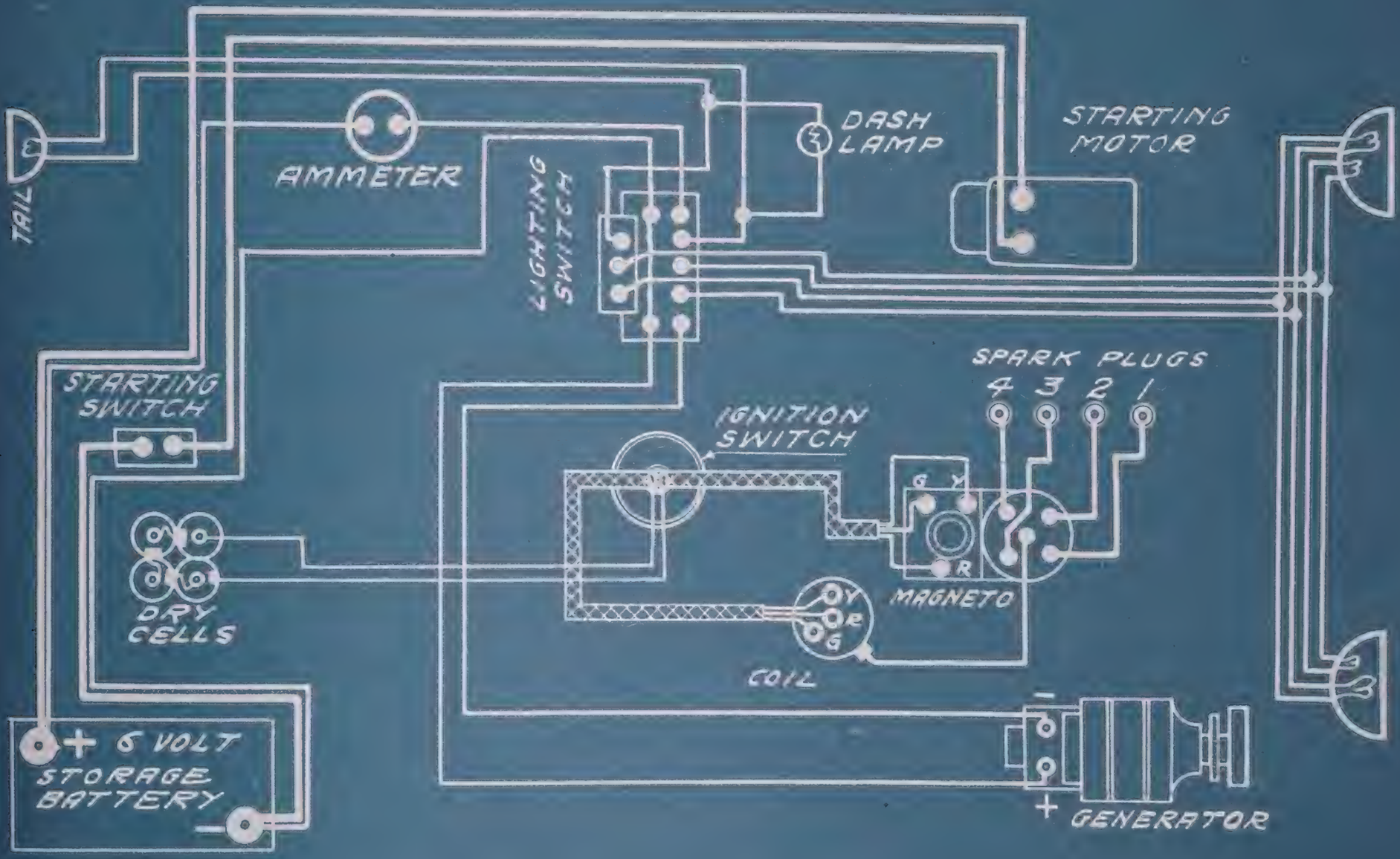
JACKSON 1913 MODEL 43

AUTOLITE SYSTEM



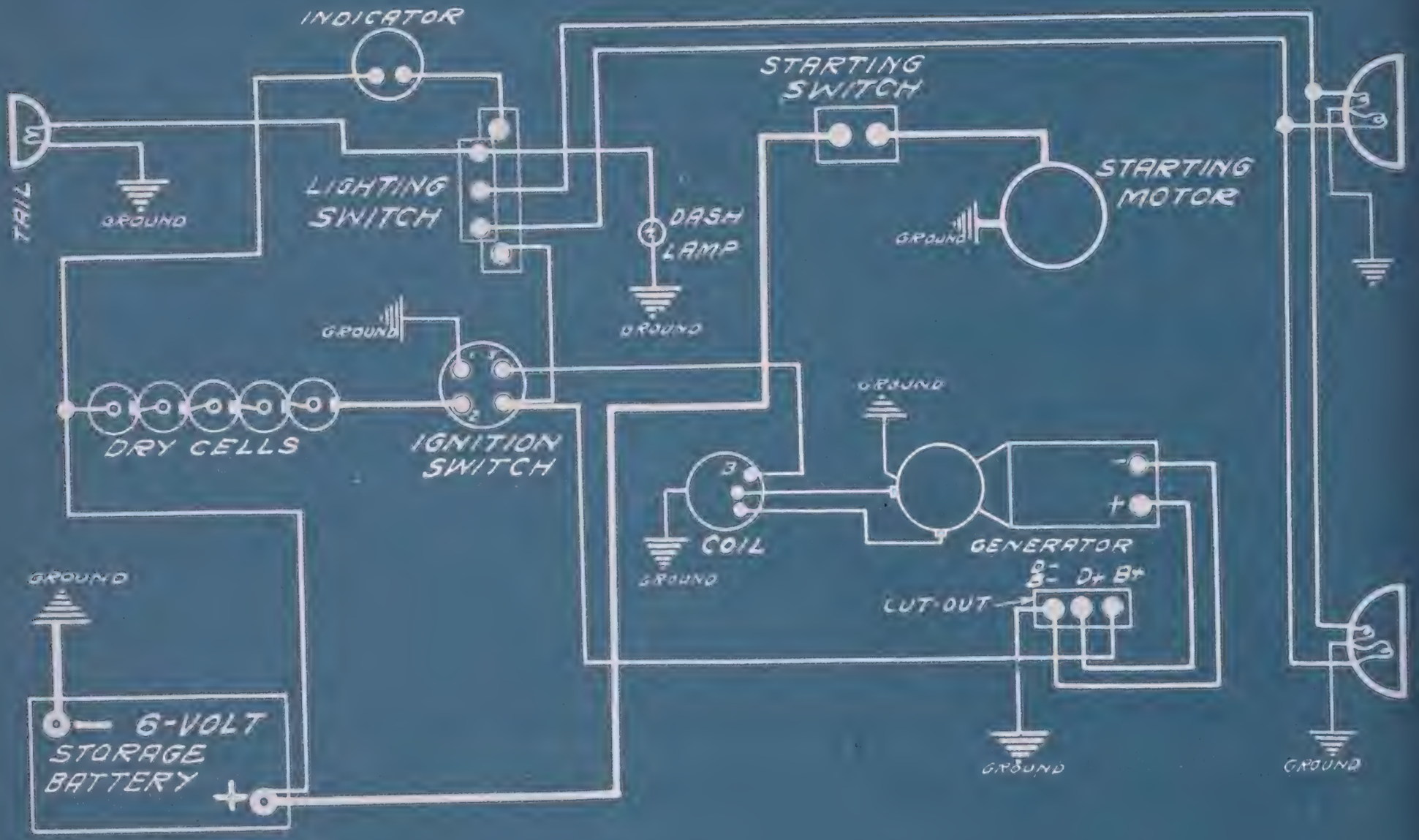
JACKSON 1914-1915 46

AUTO-LITE SYSTEM



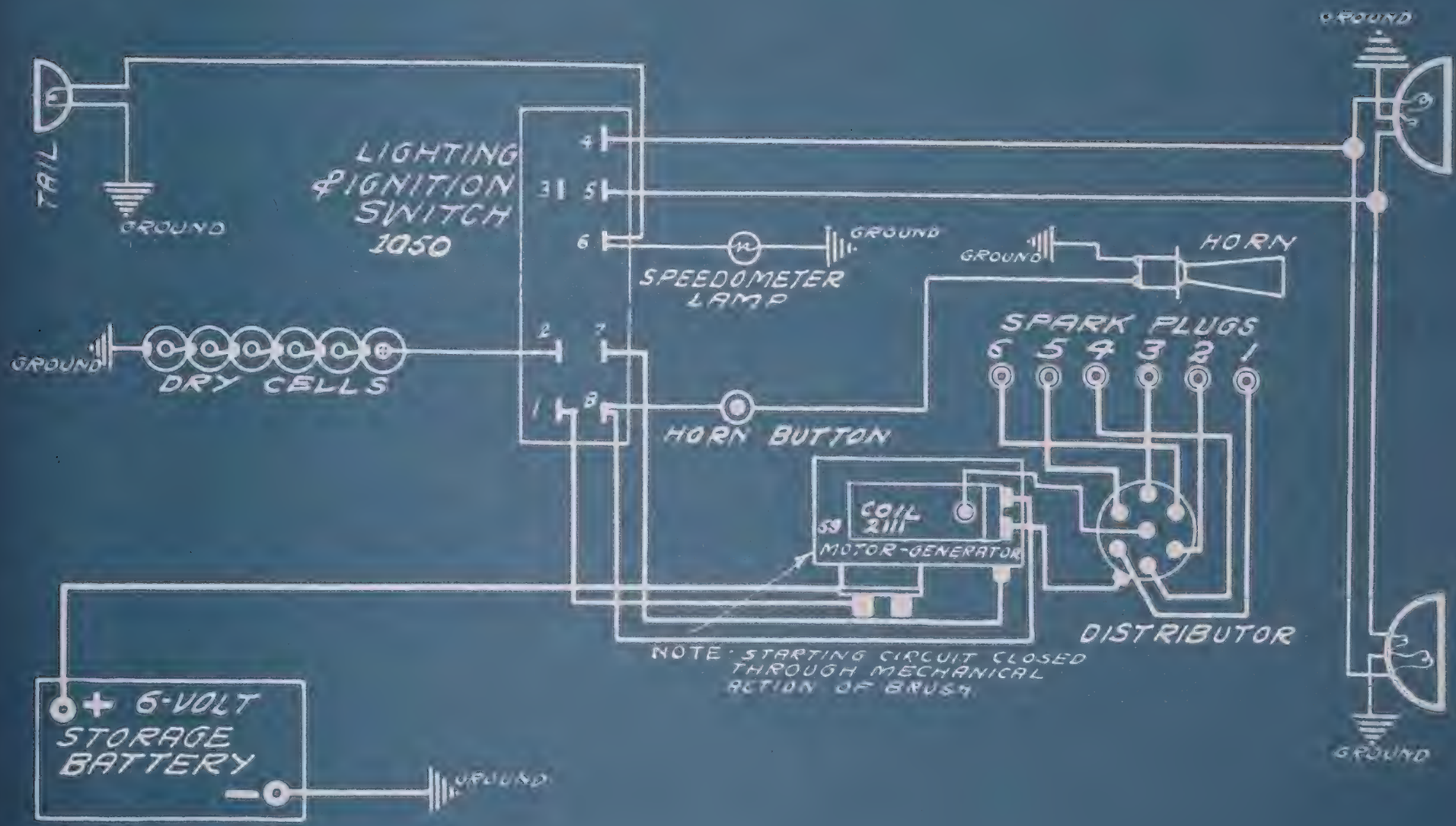
JACKSON 1915 - MODEL 46

AUTOLITE SYSTEM



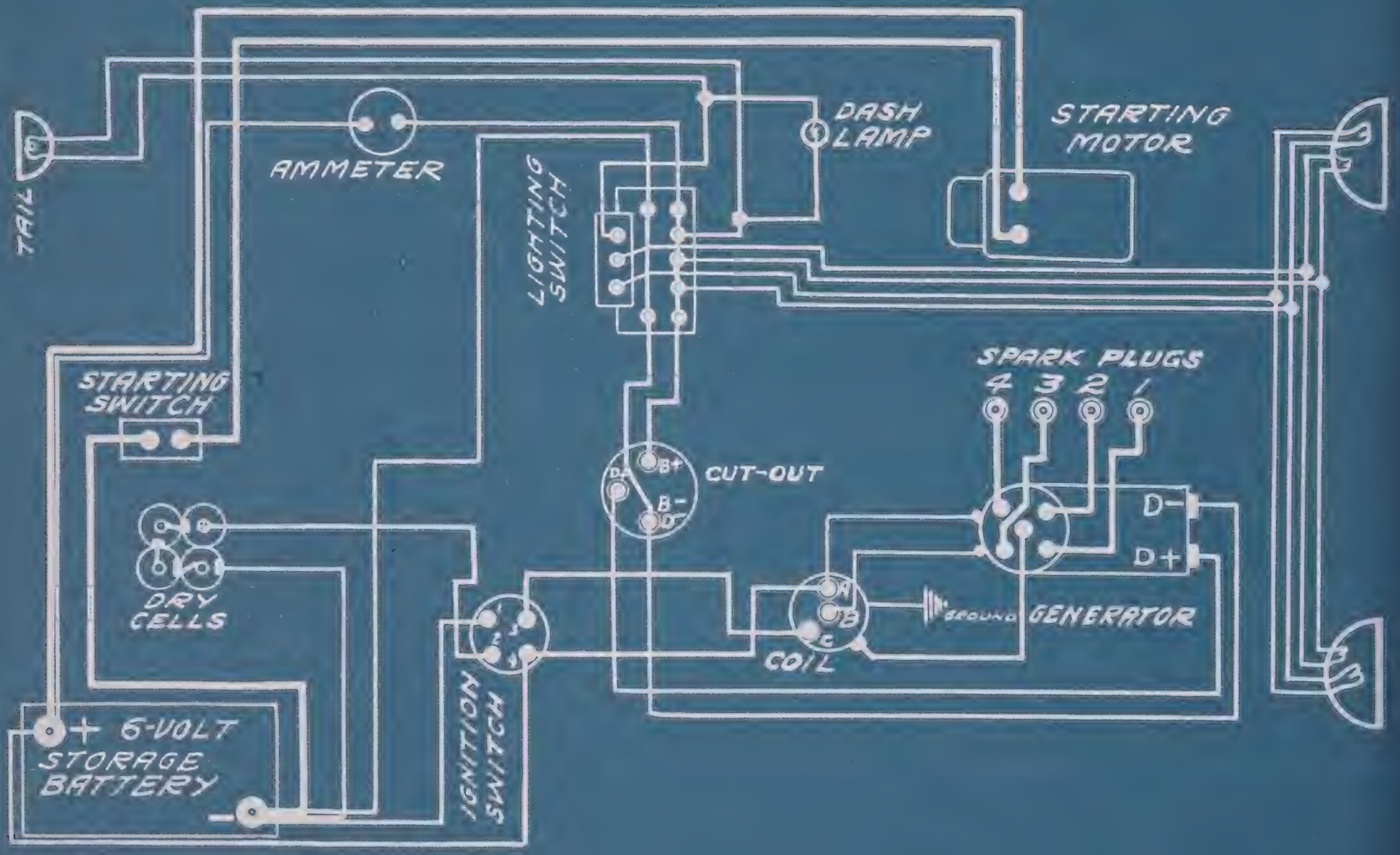
JACKSON 1915 48 & 6-40

DELCO SYSTEM

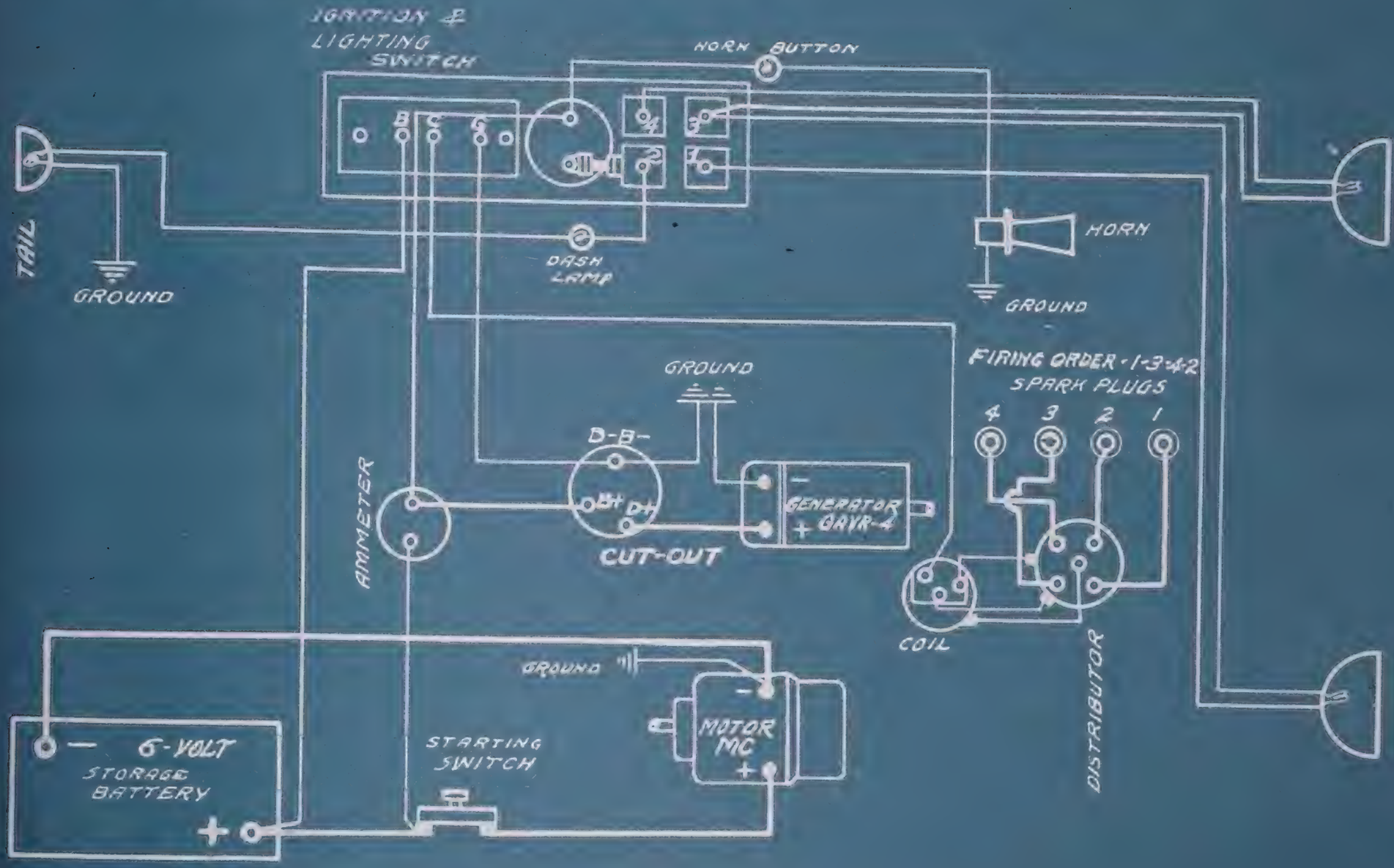


JACKSON 1915-1916 44

AUTO-LITE SYSTEM

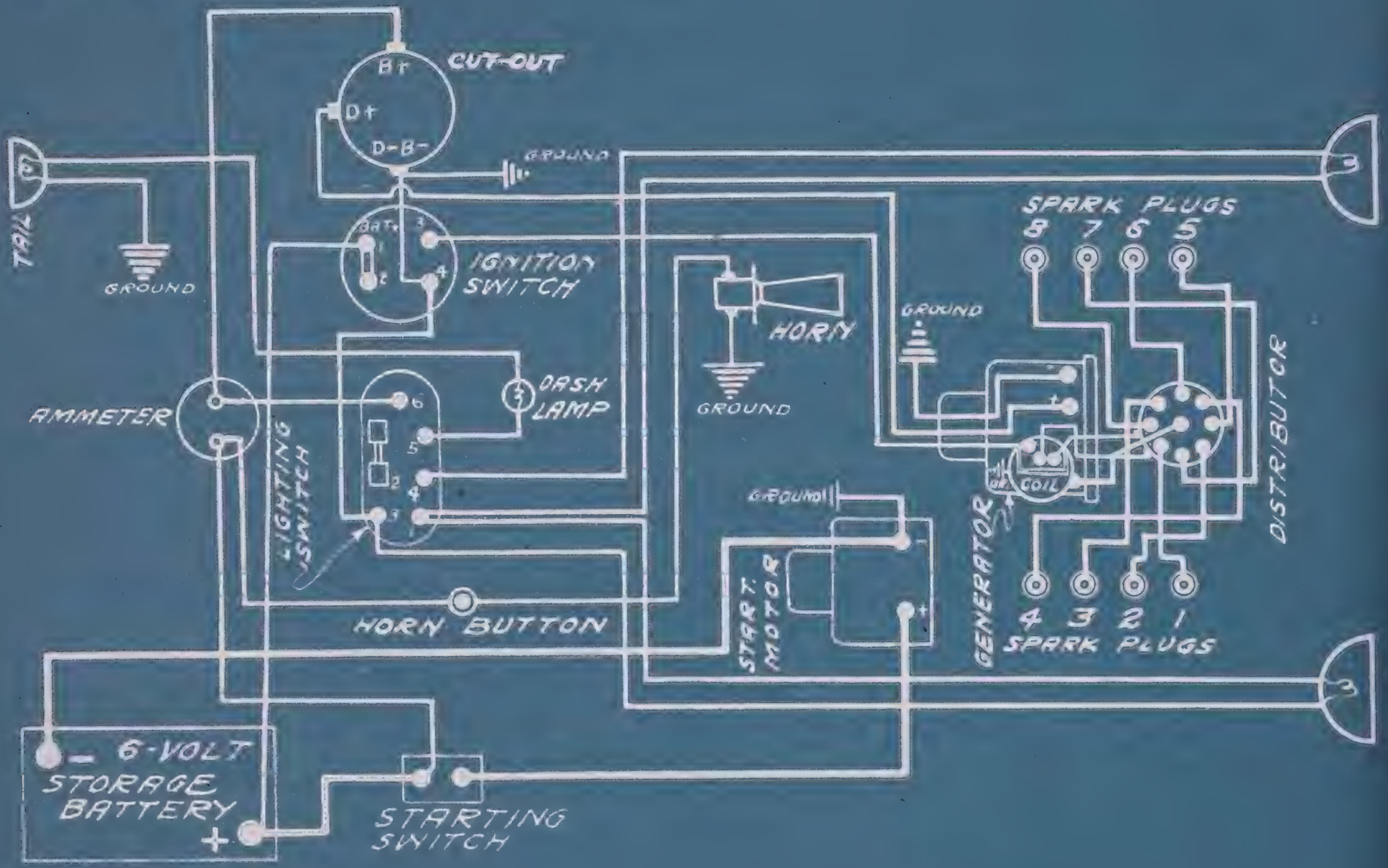


JACKSON 1916 MODEL 34
AUTOLITE SYSTEM



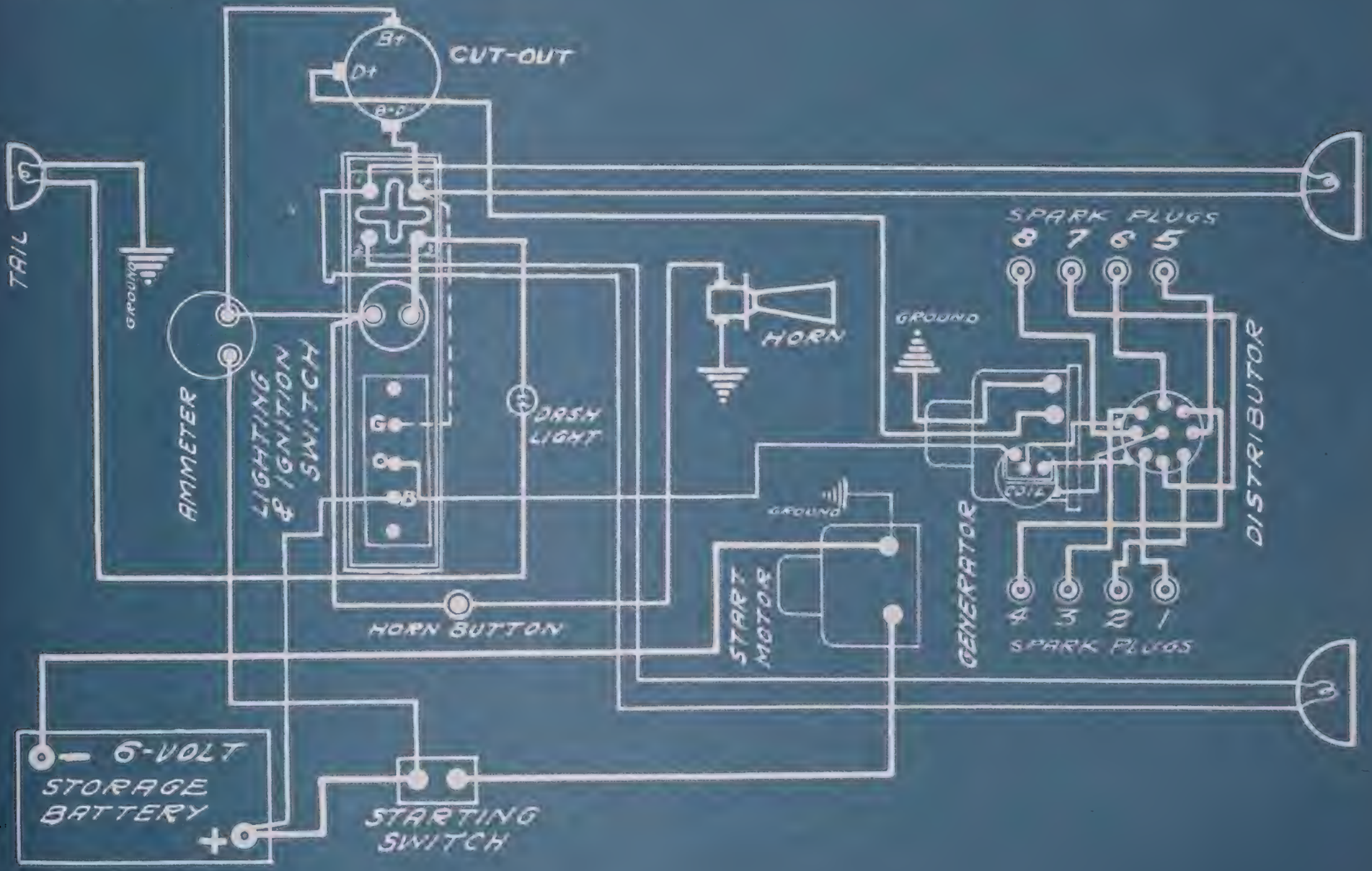
JACKSON 1916 MODEL 68

AUTOLITE SYSTEM



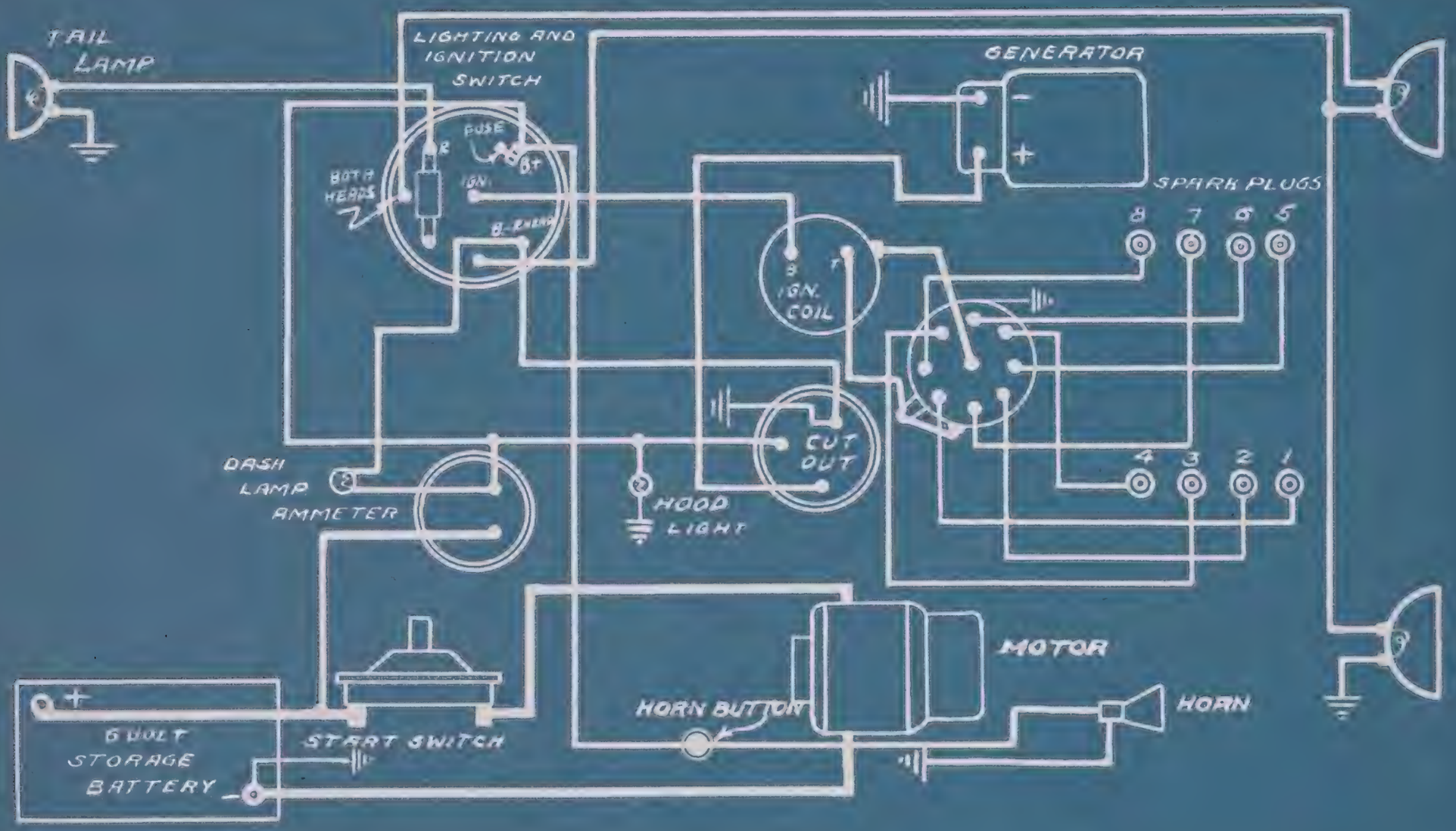
JACKSON 1916 348

AUTOLITE SYSTEM



JACKSON 1917-18 MODEL 349

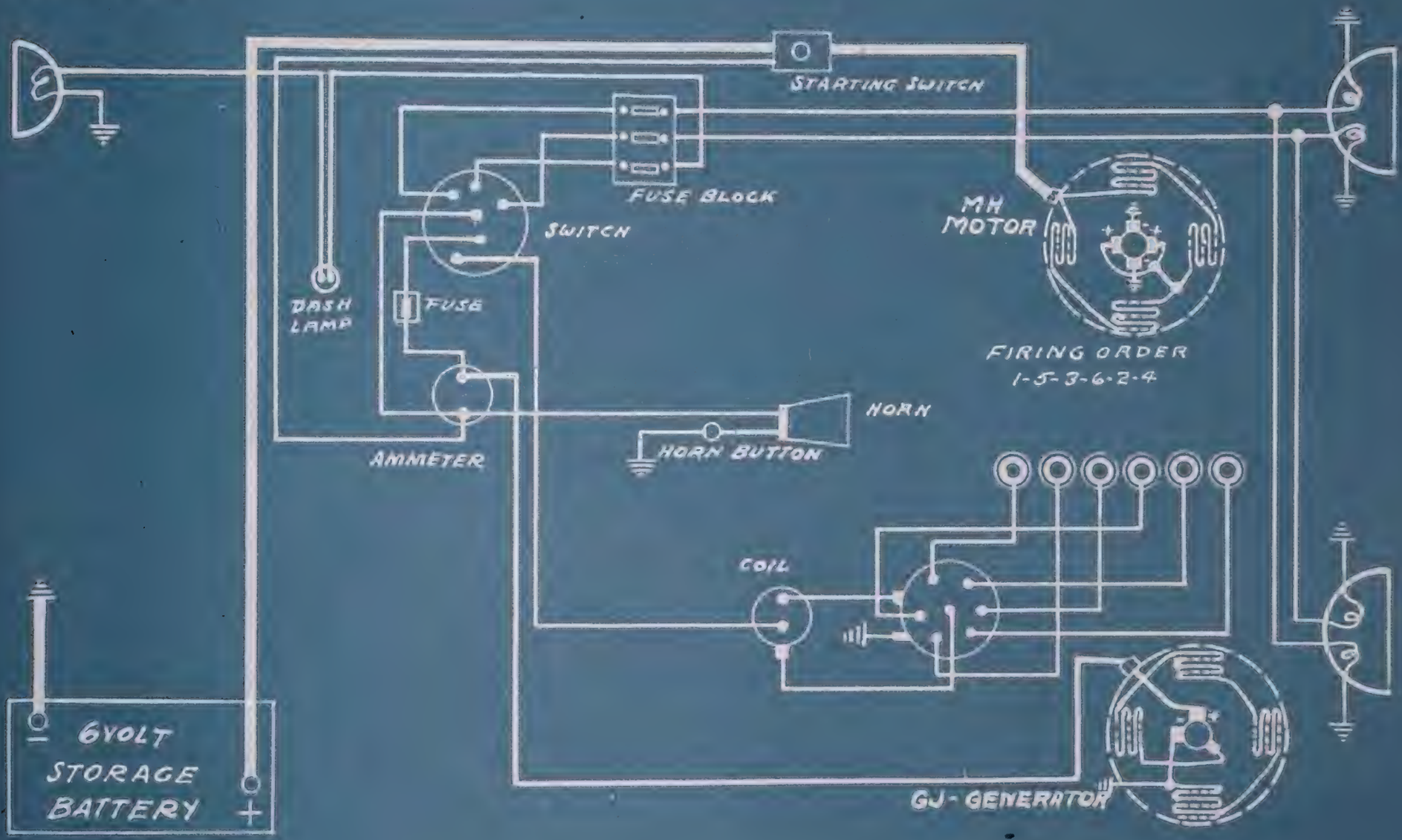
AUTOLITE SYSTEM. CONN. IGN.



JACKSON "6-38" 1920-1921-1922

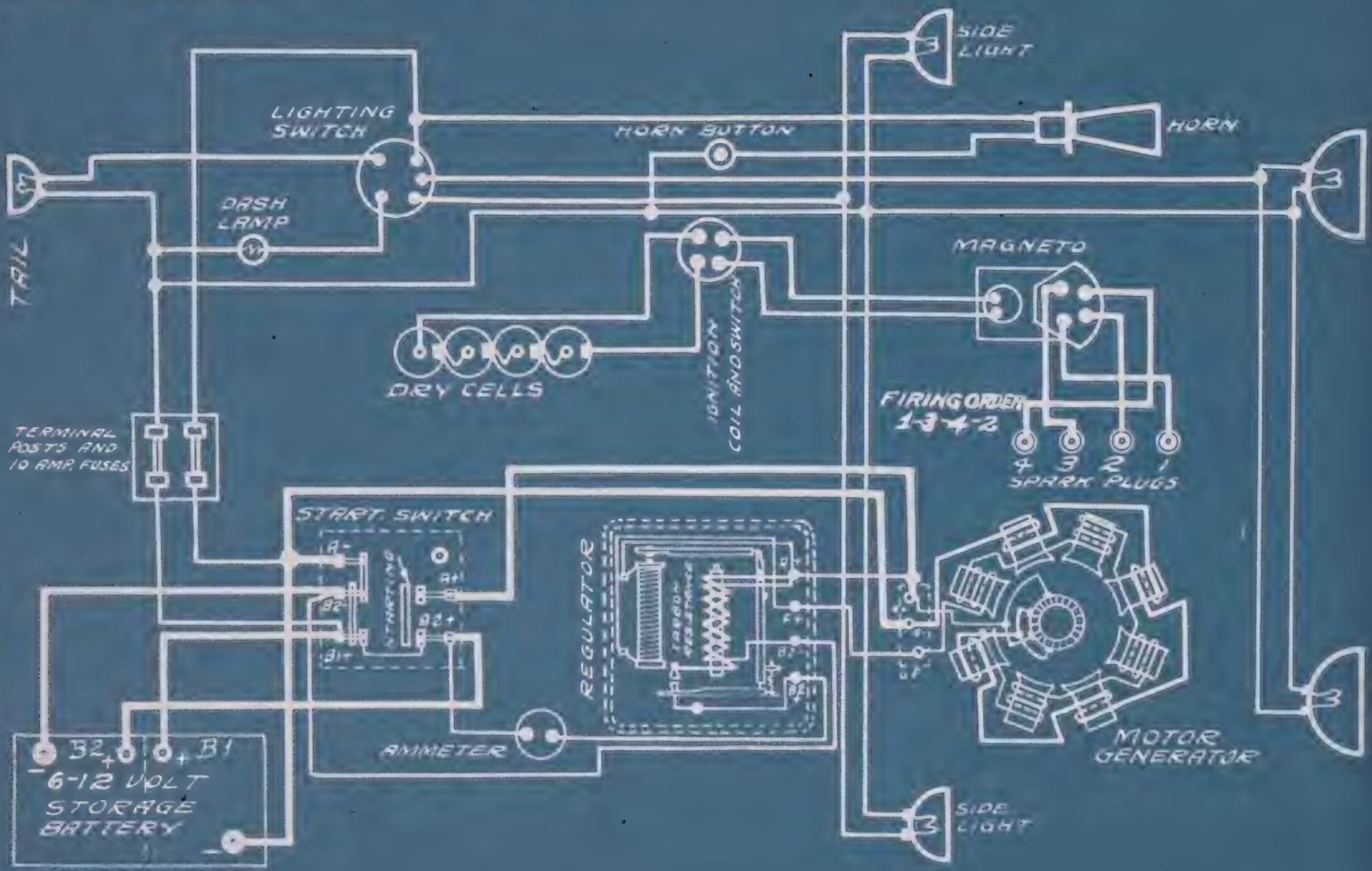
AUTO-LITE SYSTEM

REMY IGN.



JEFFERY "4" 1914-15-16

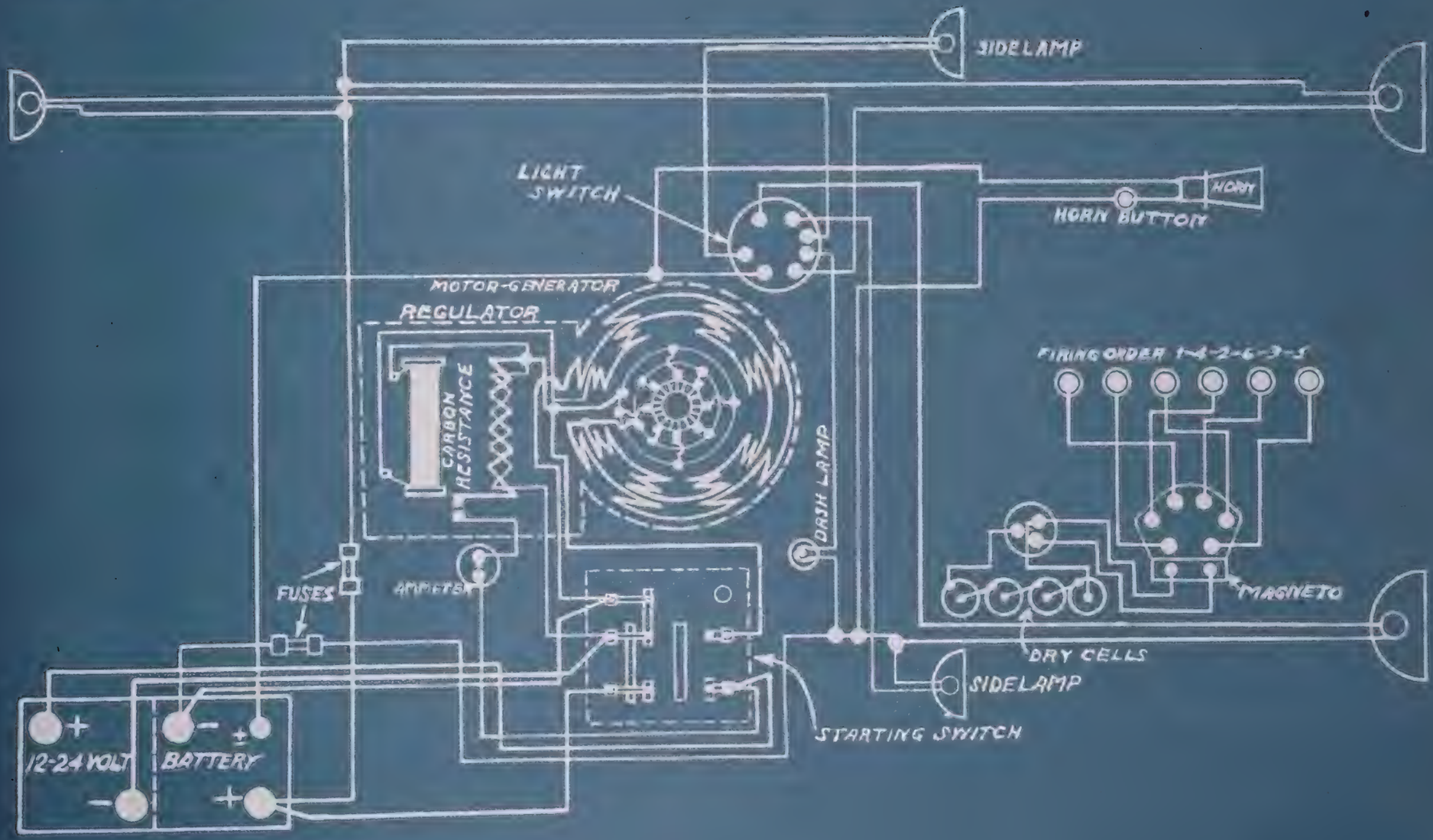
U.S.L. SYSTEM



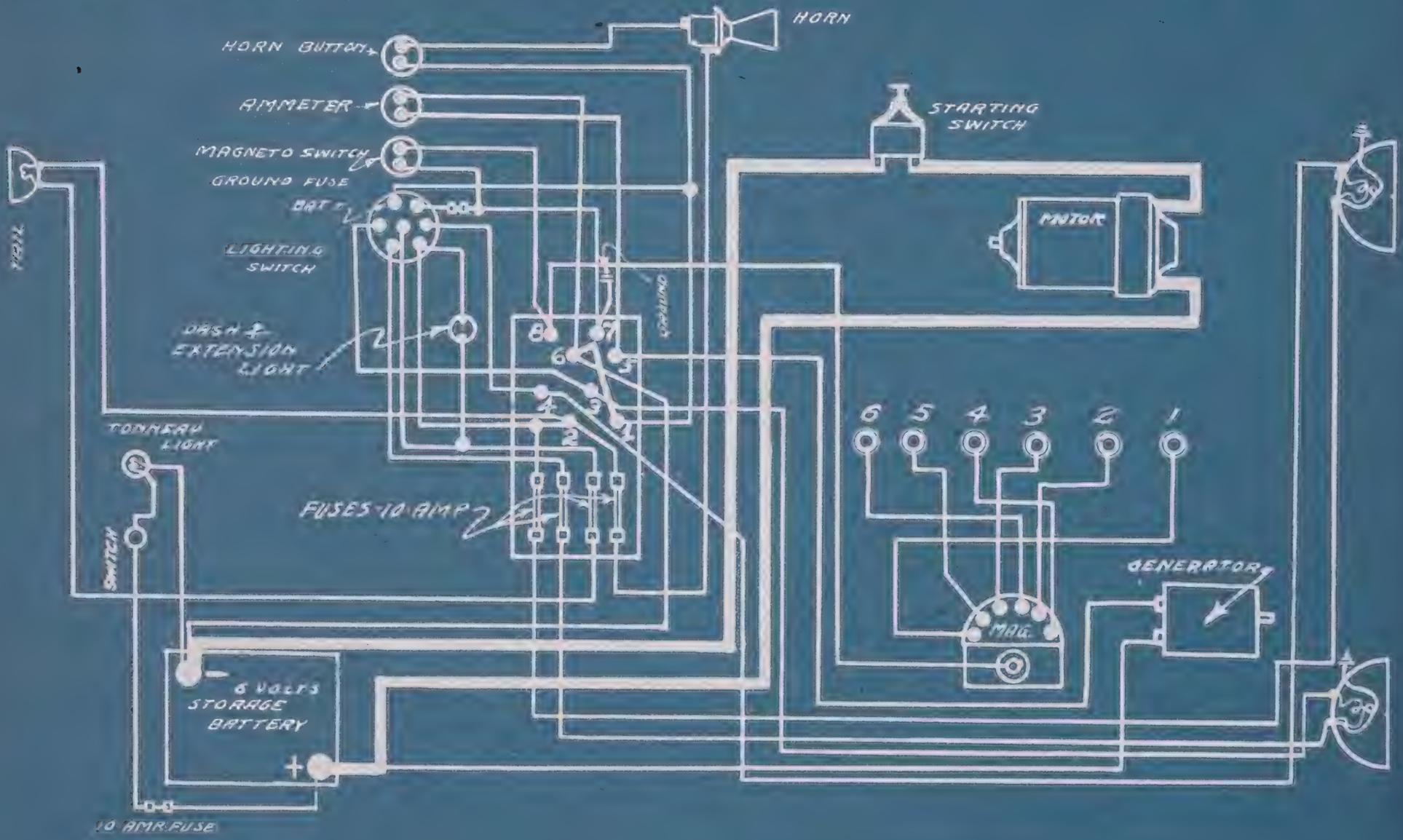
JEFFERY "6" 1914-1915

U.S.L. SYSTEM

BOSCH MAG.

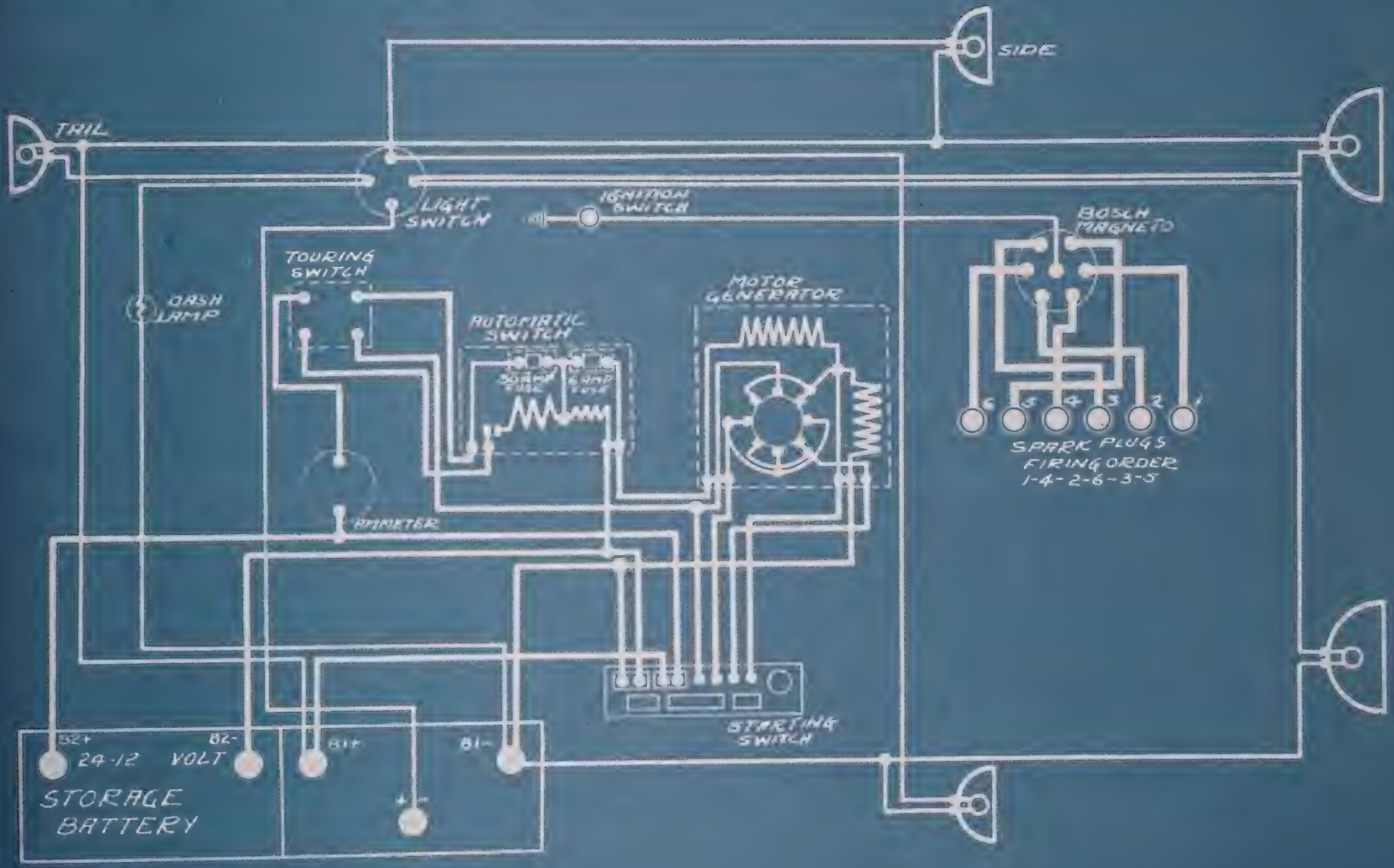


JEFFERY 1915 CHESTERFIELD 6
BIJUR SYSTEM



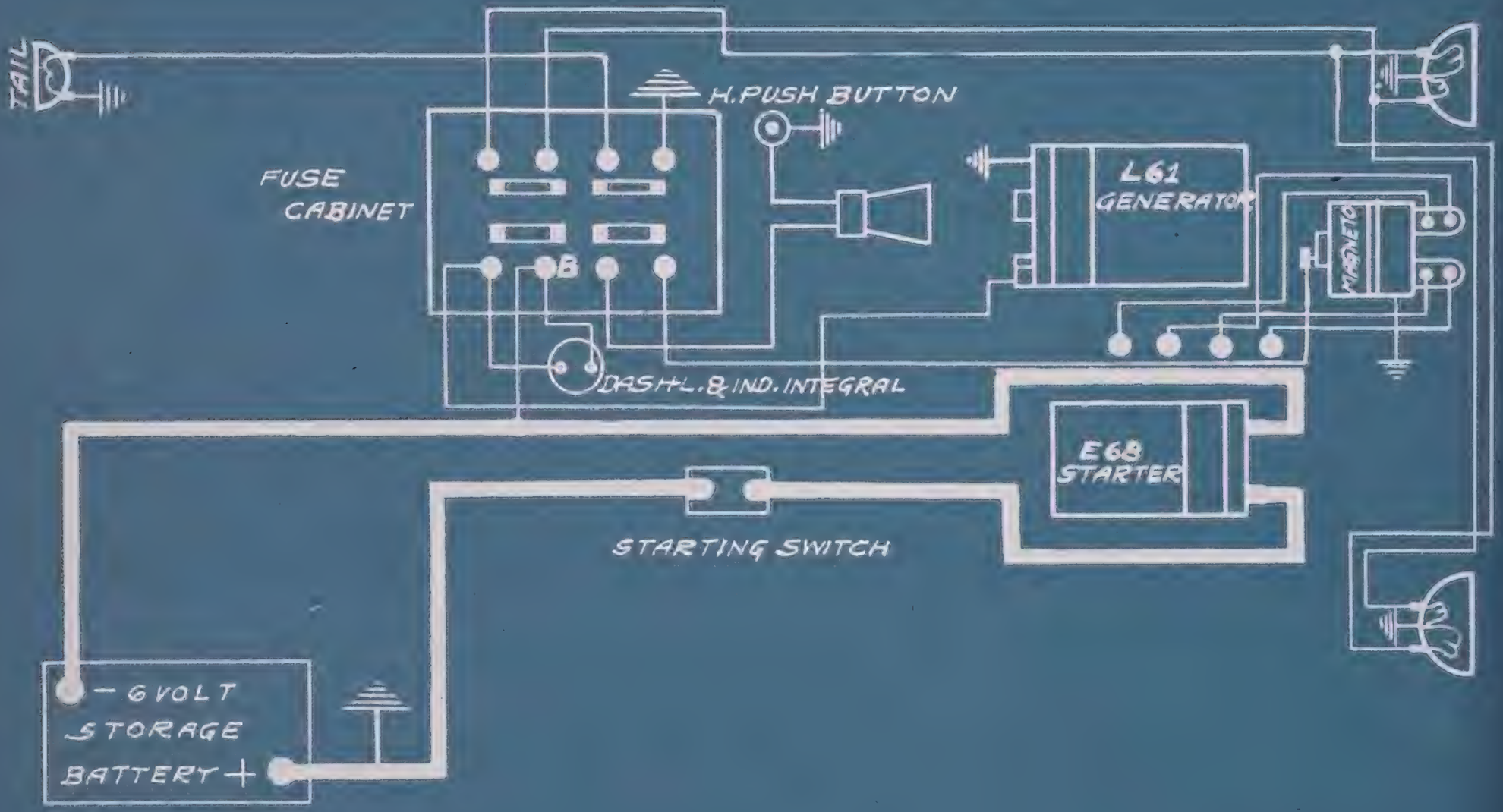
JEFFERY "6-48" 1916

U.S.L. SYSTEM BOSCH MAG IGN.



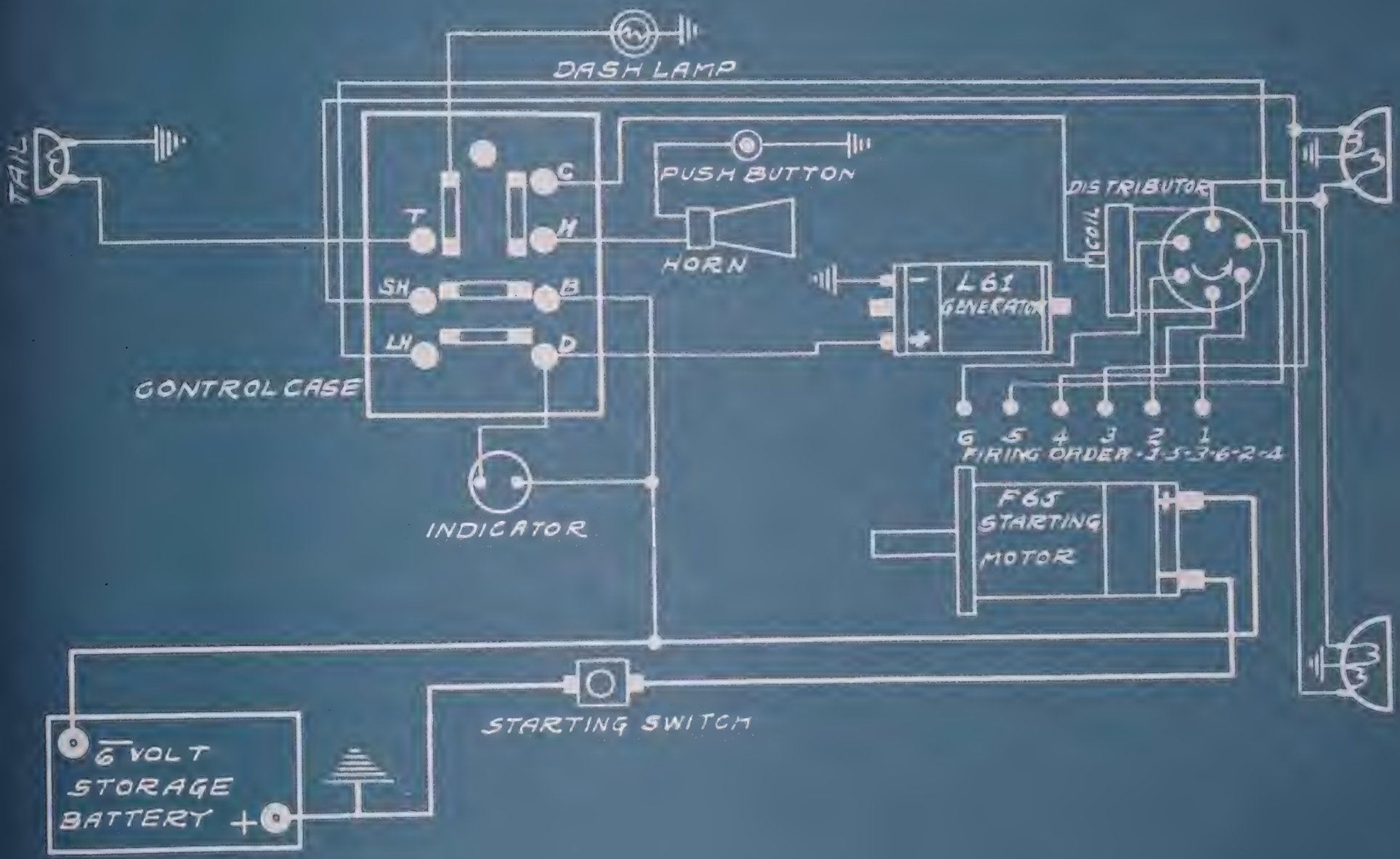
JEFFERY 1916 462

BIJUR SYSTEM



JEFFERY 1917 671

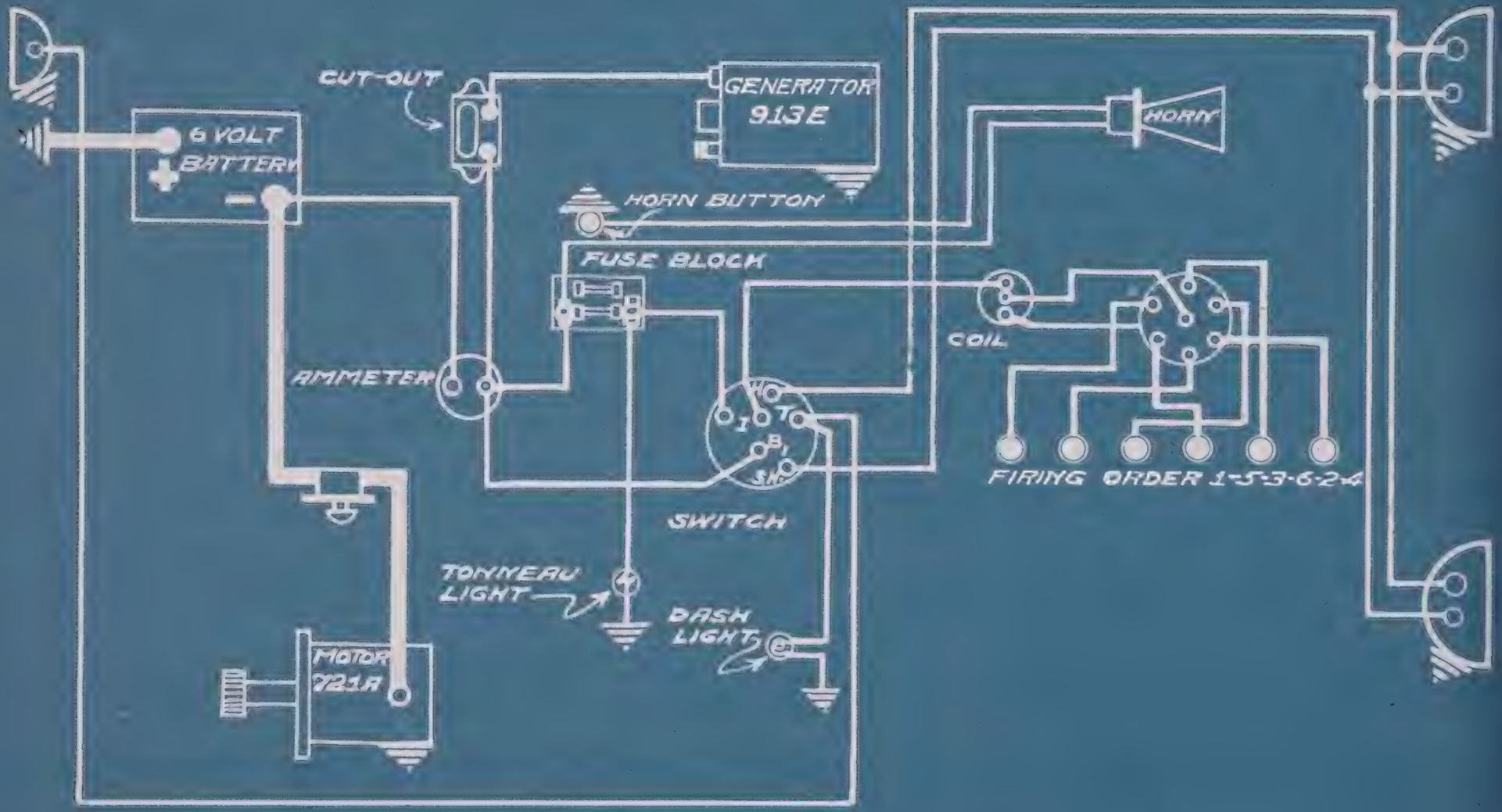
BIJUR SYSTEM



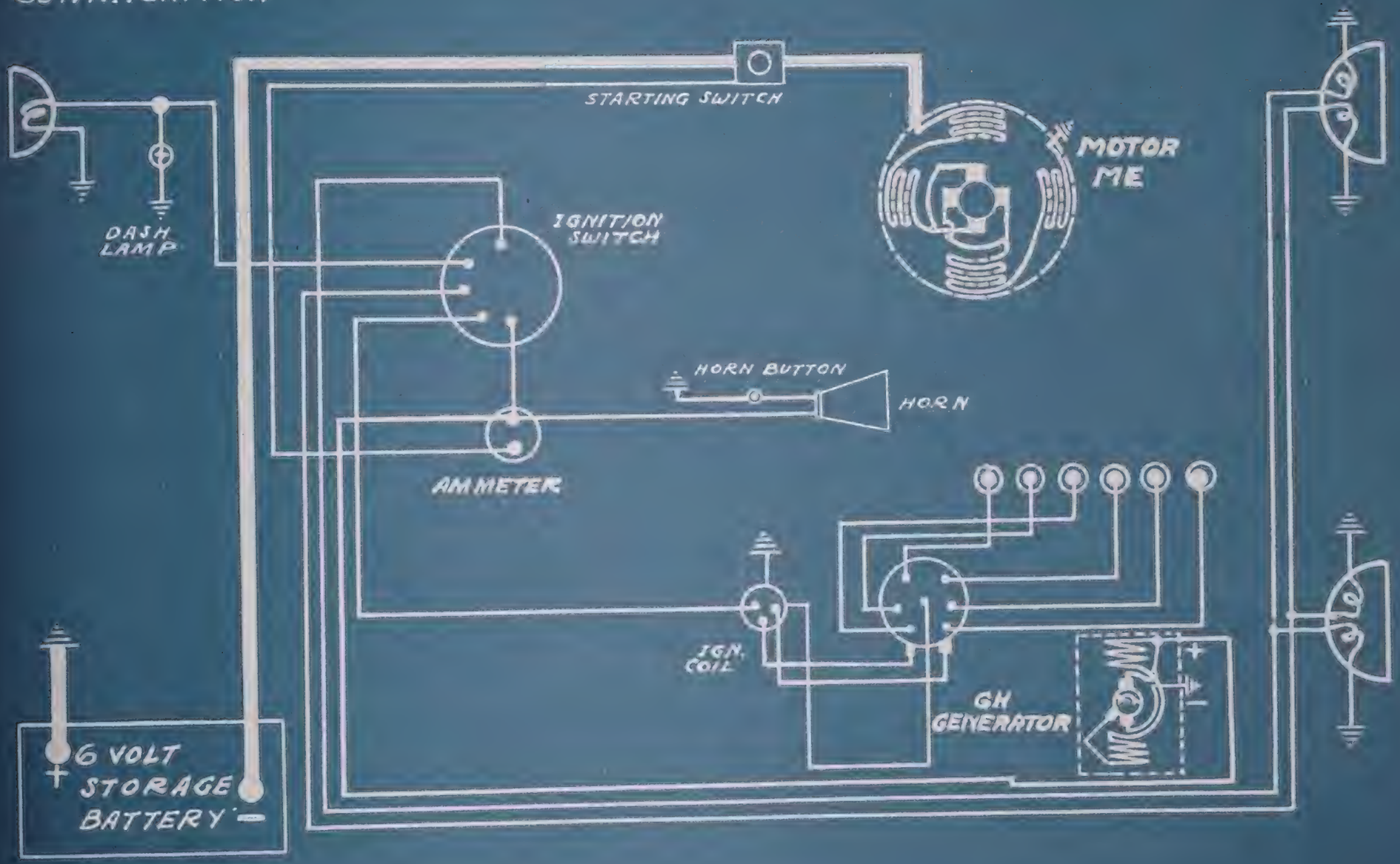
JEWETT "6" 1922

REMY SYSTEM

ATWATER-KENT IGN.

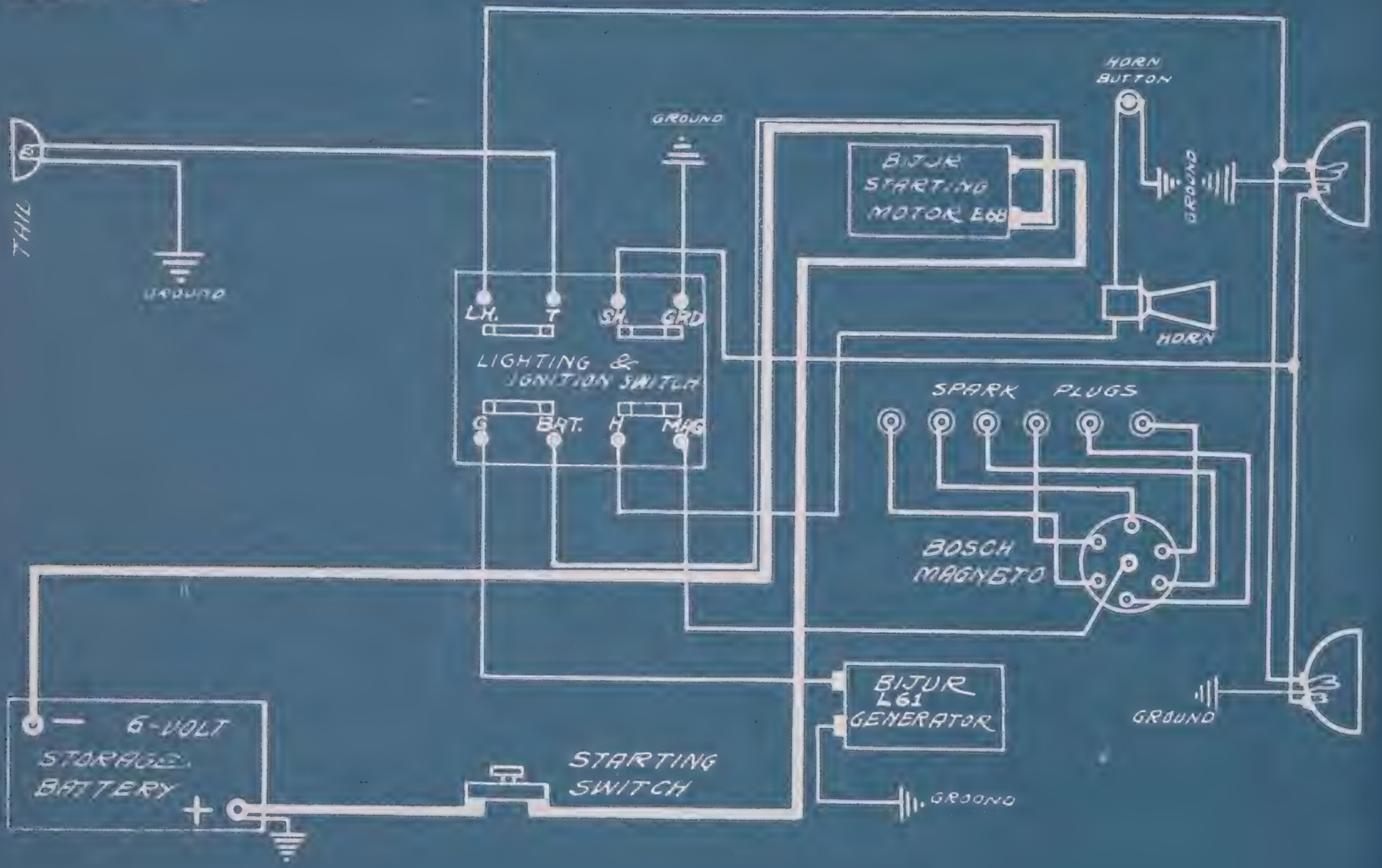


JONES 1919-1920
AUTO-LITE SYSTEM
CONN. IGNITION



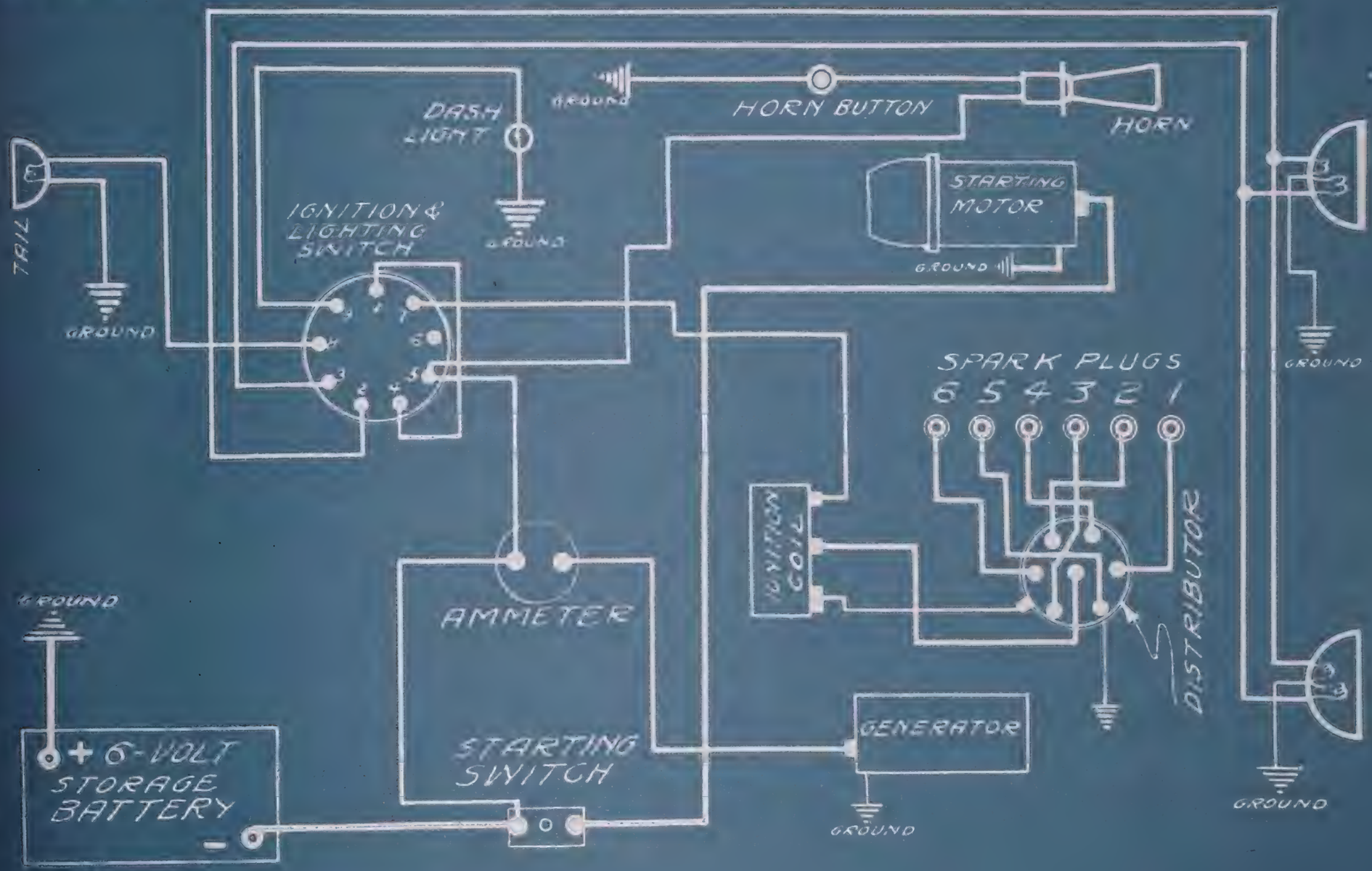
JORDAN 1917 "B" & 1916 "60"

BIJUR SYSTEM
BOSCH MAG.



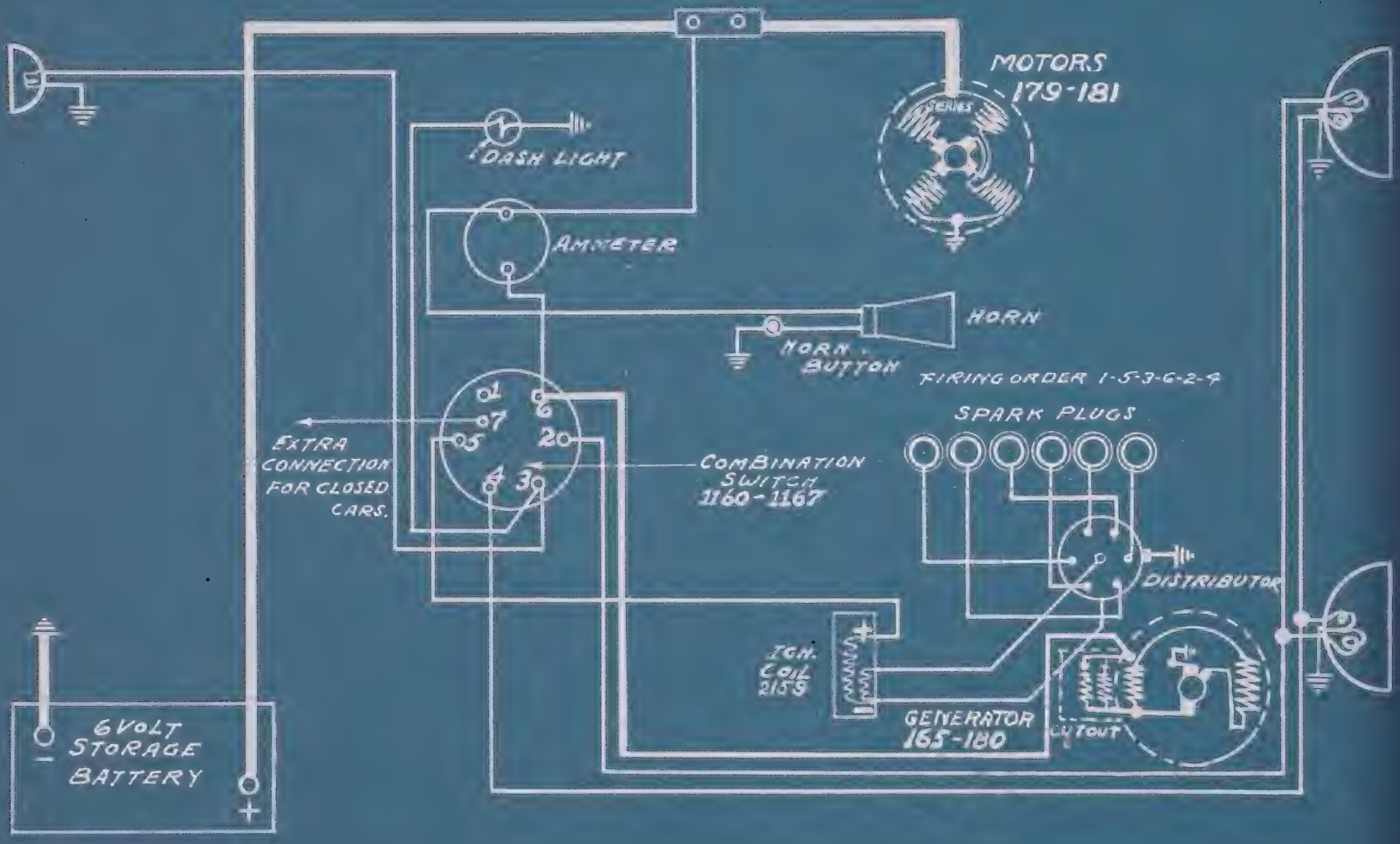
JORDAN 1918-1919 C & "60"

BIJUR SYSTEM - DELCO IGN.



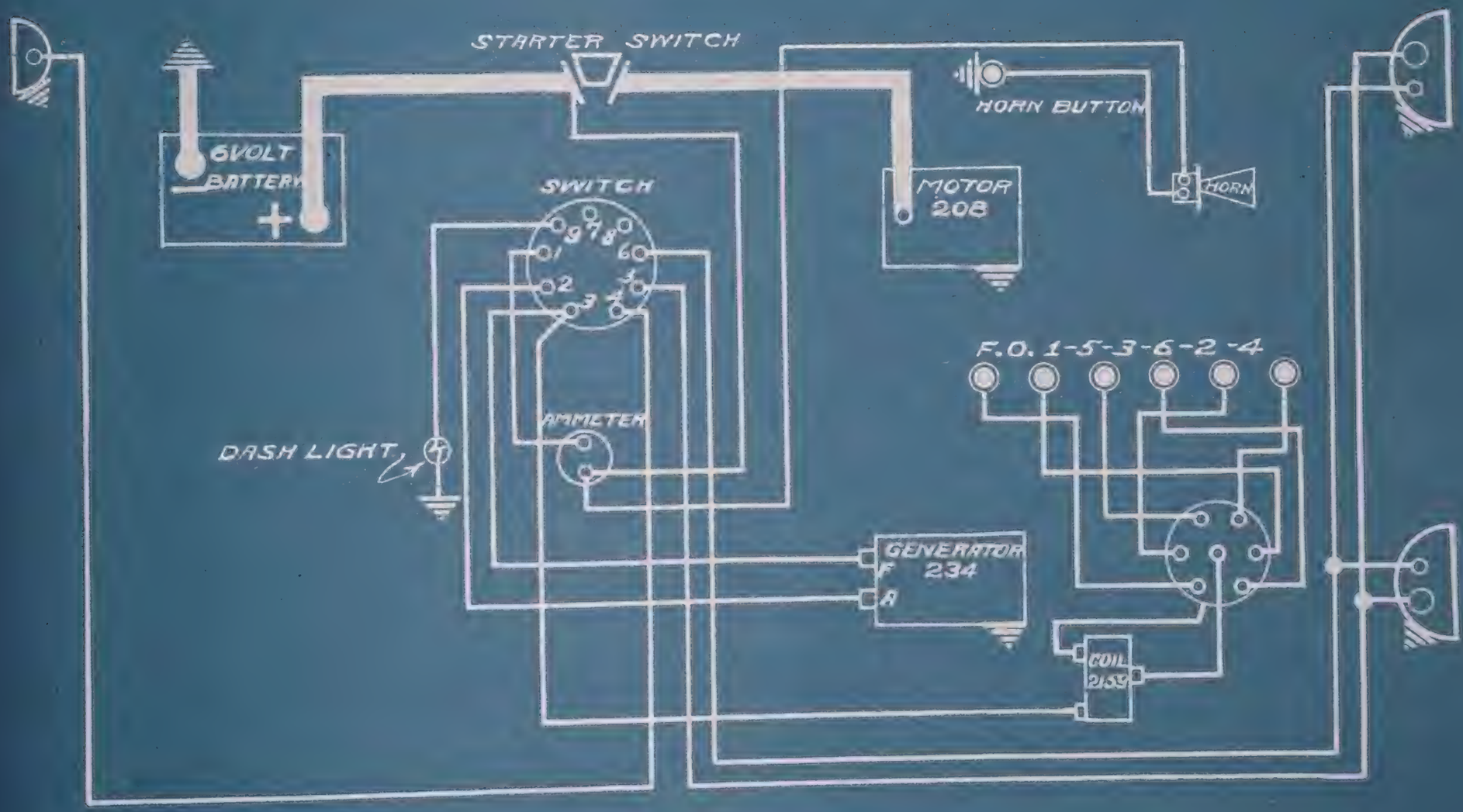
JORDAN 1920-21 M&F

DELCO SYSTEM

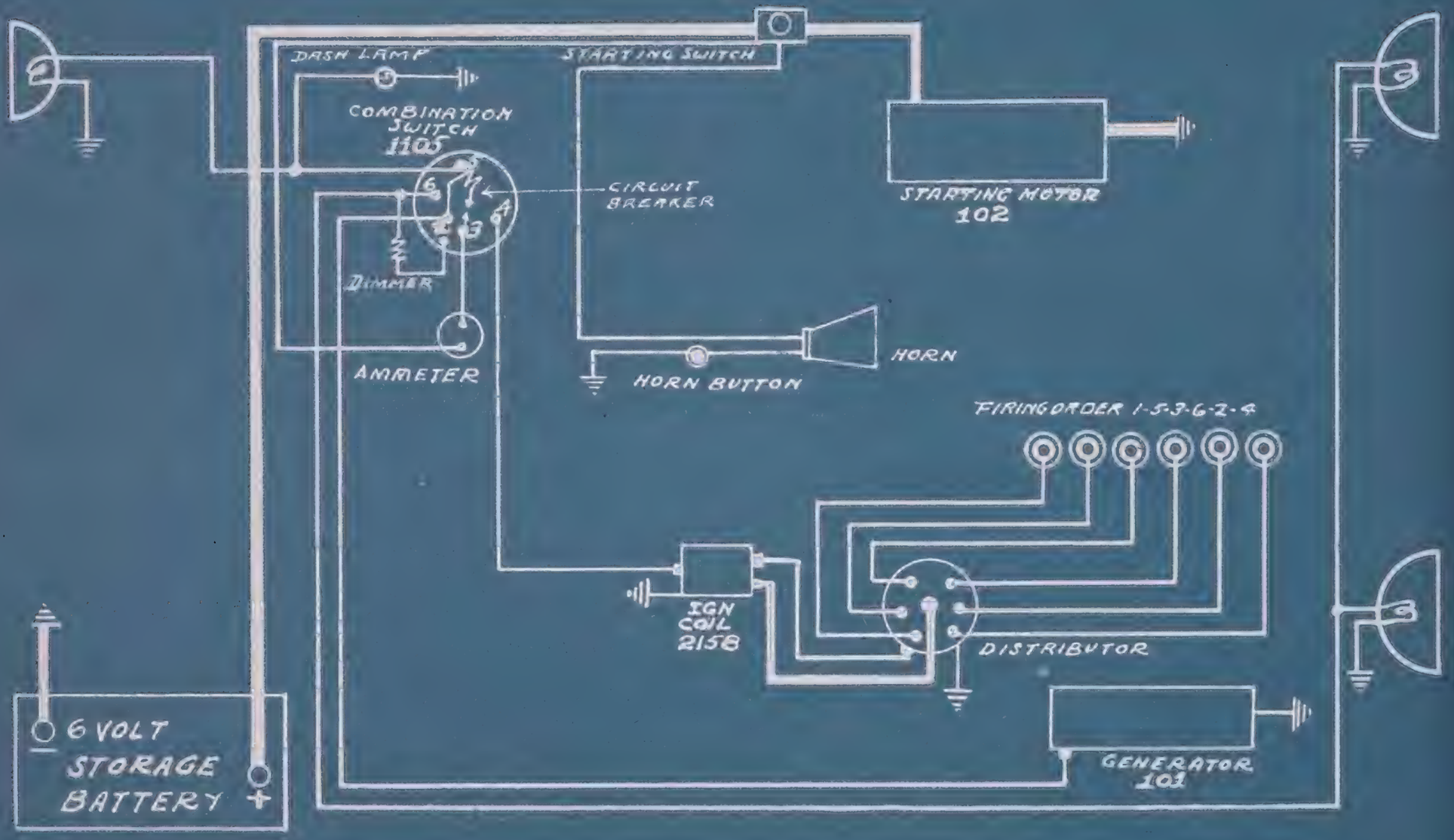


JORDAN "MX" 1922

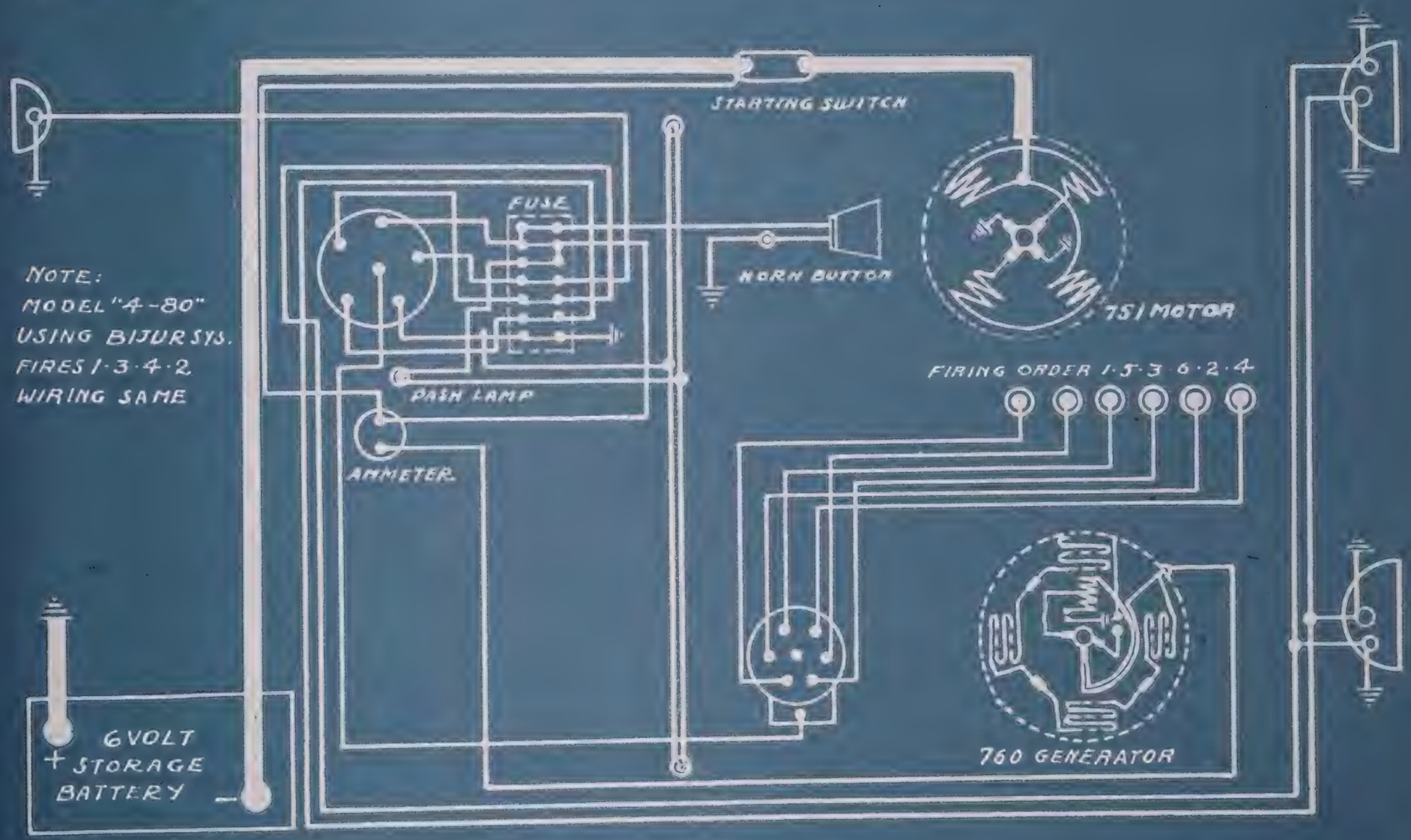
DELCO SYSTEM



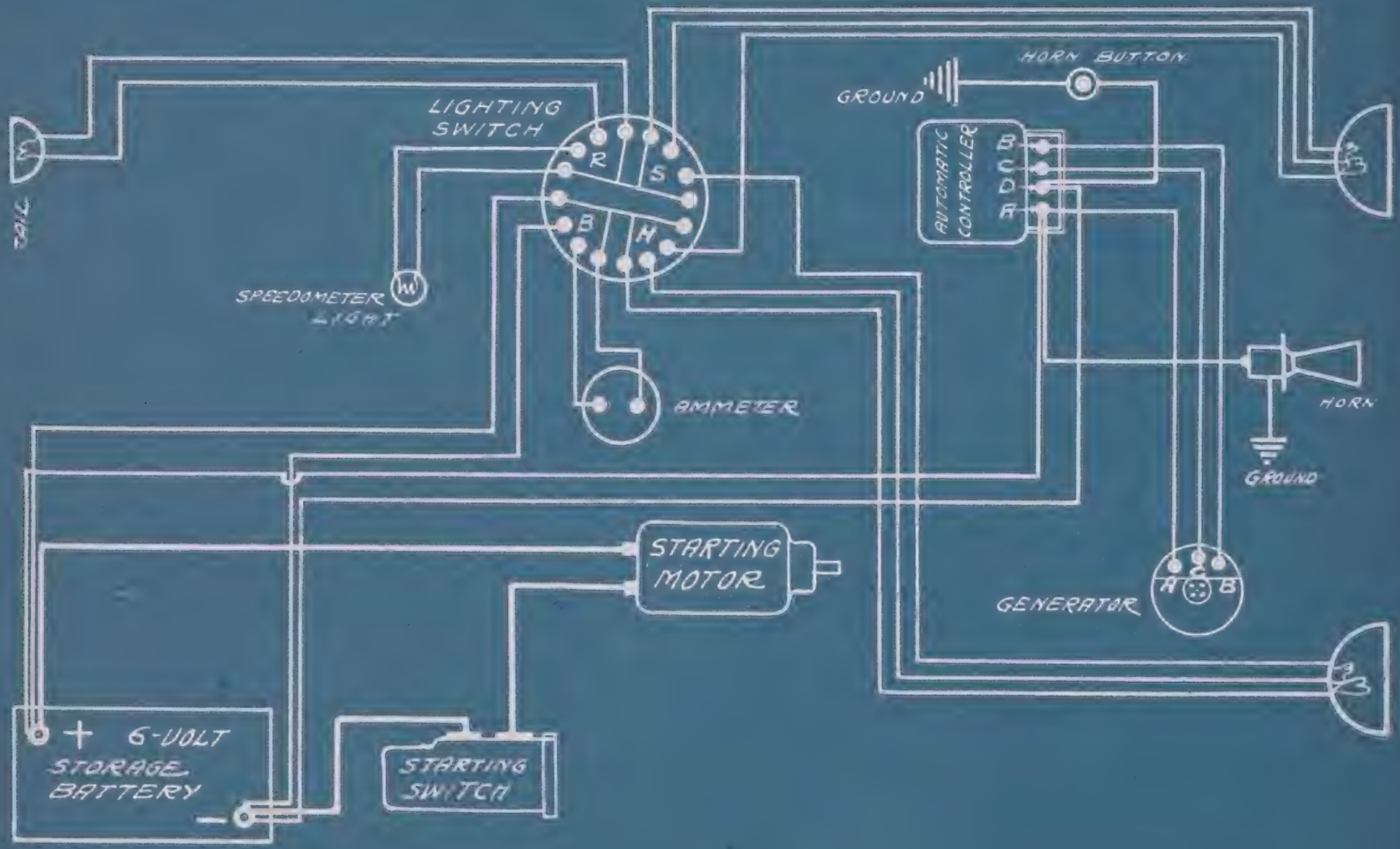
KANKAKEE 1919
DELCO SYSTEM



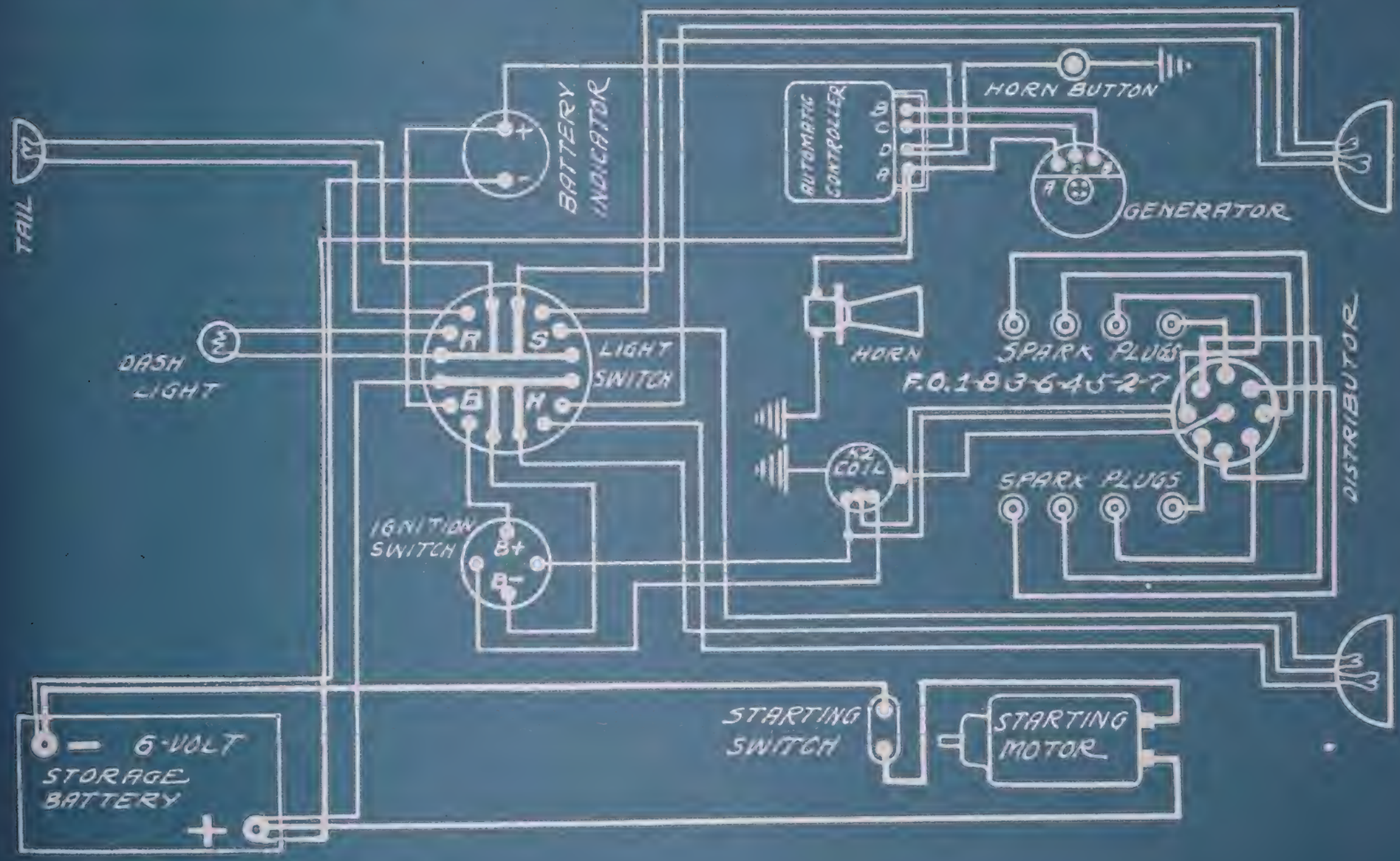
KENWORTHY "6-55" 1920-1921
WESTINGHOUSE SYSTEM
BOSCH MAGIGN.



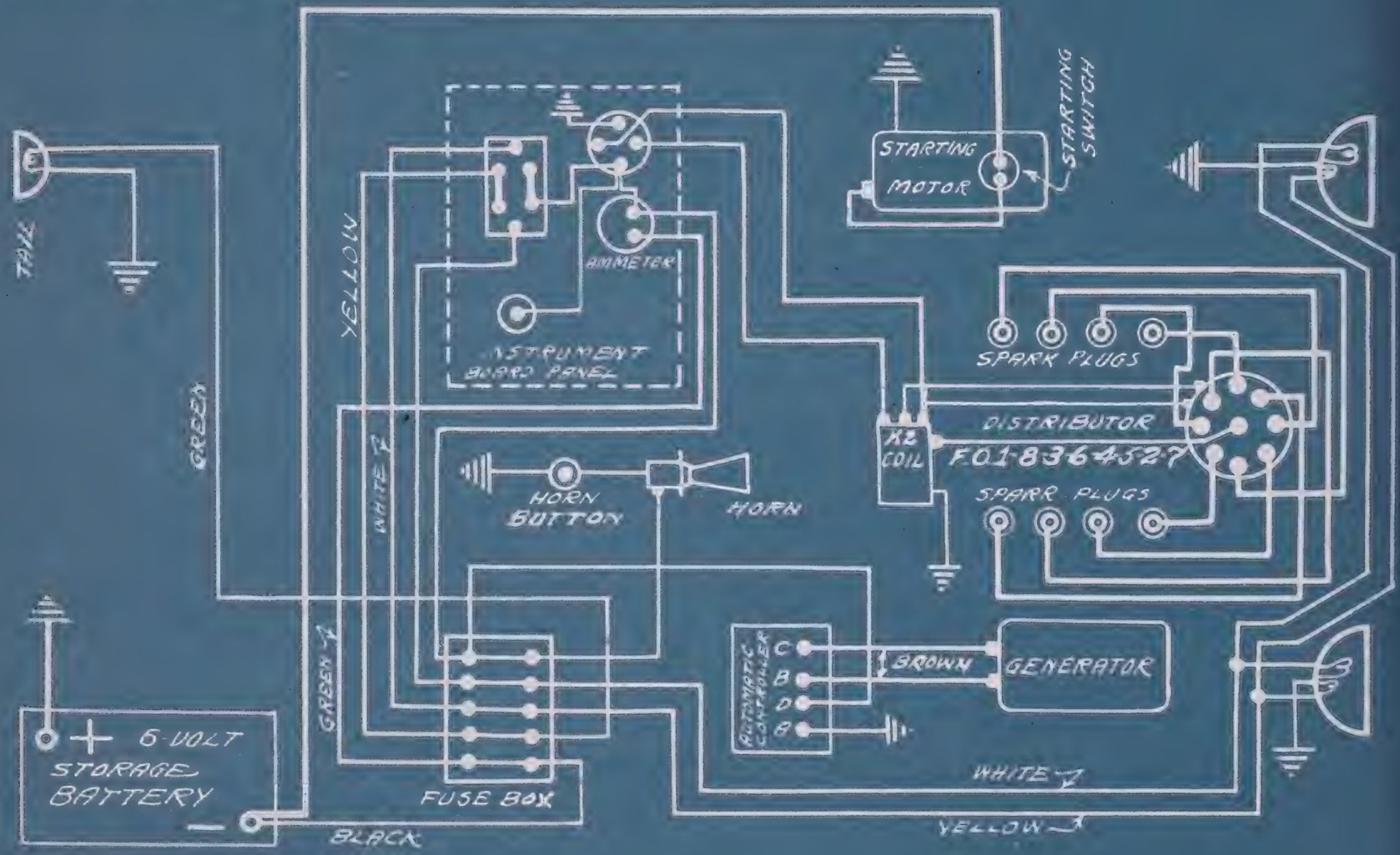
KING 1915 C-4
WARD-LEONARD SYSTEM



KING 1915 "8"
WARD-LEONARD SYSTEM



KING 1916 "E"
WARD-LEONARD SYSTEM

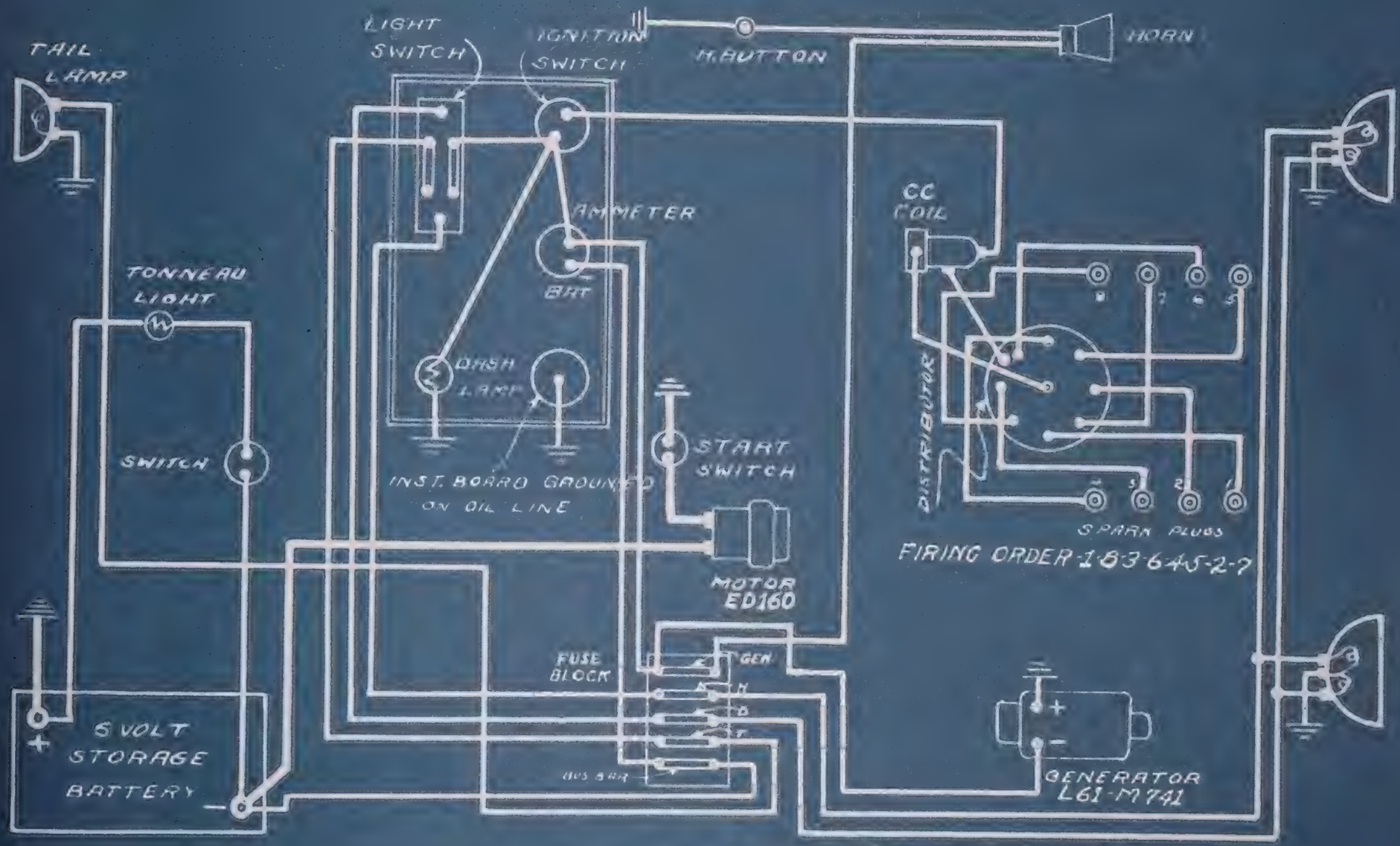


KING MODEL EE - 1917-1918

BIJUR SYSTEM

MODEL G - 1919

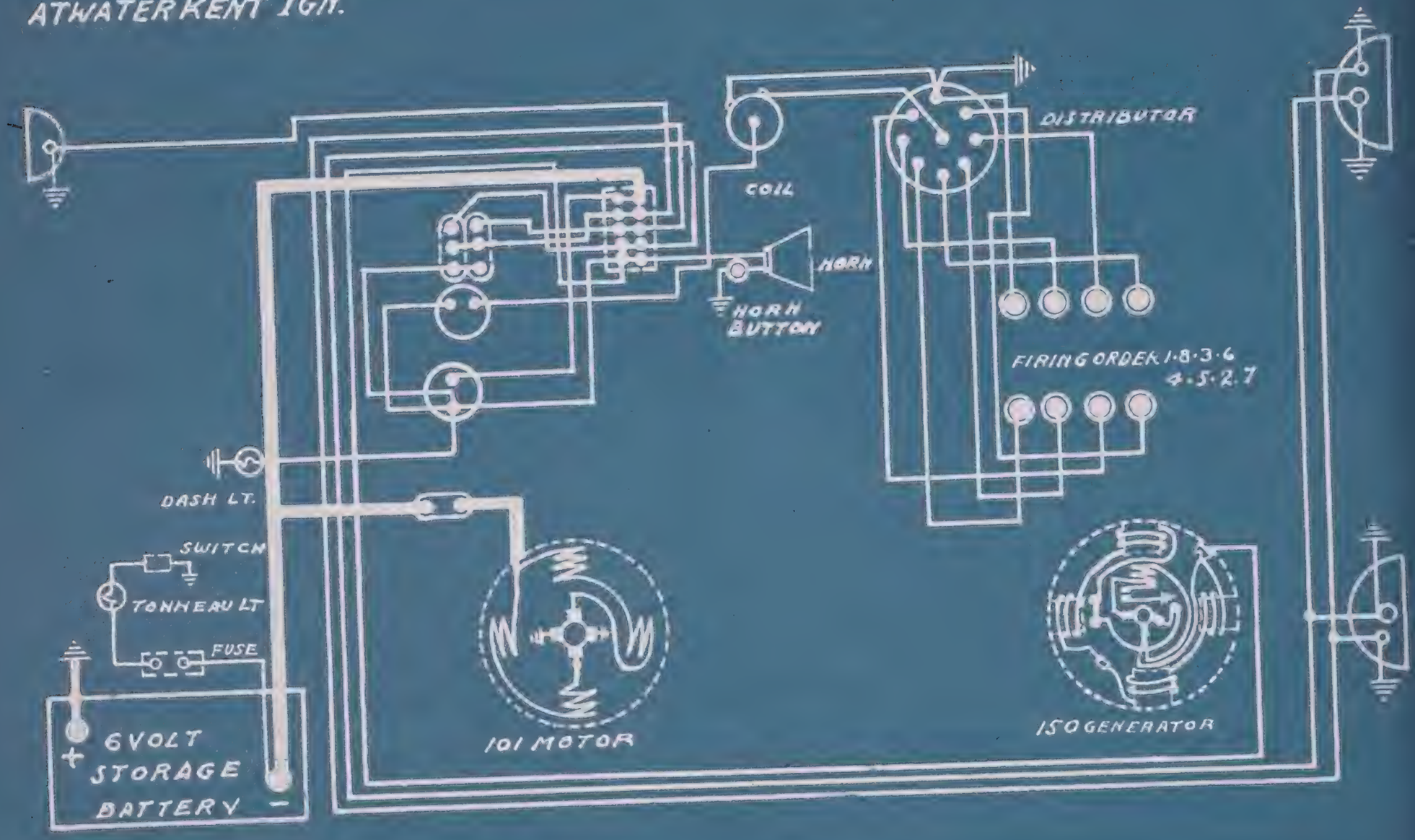
ATWATER KENT IGNITION



KING "F 1919" "H 1920" "J 1921"

WESTINGHOUSE SYSTEM

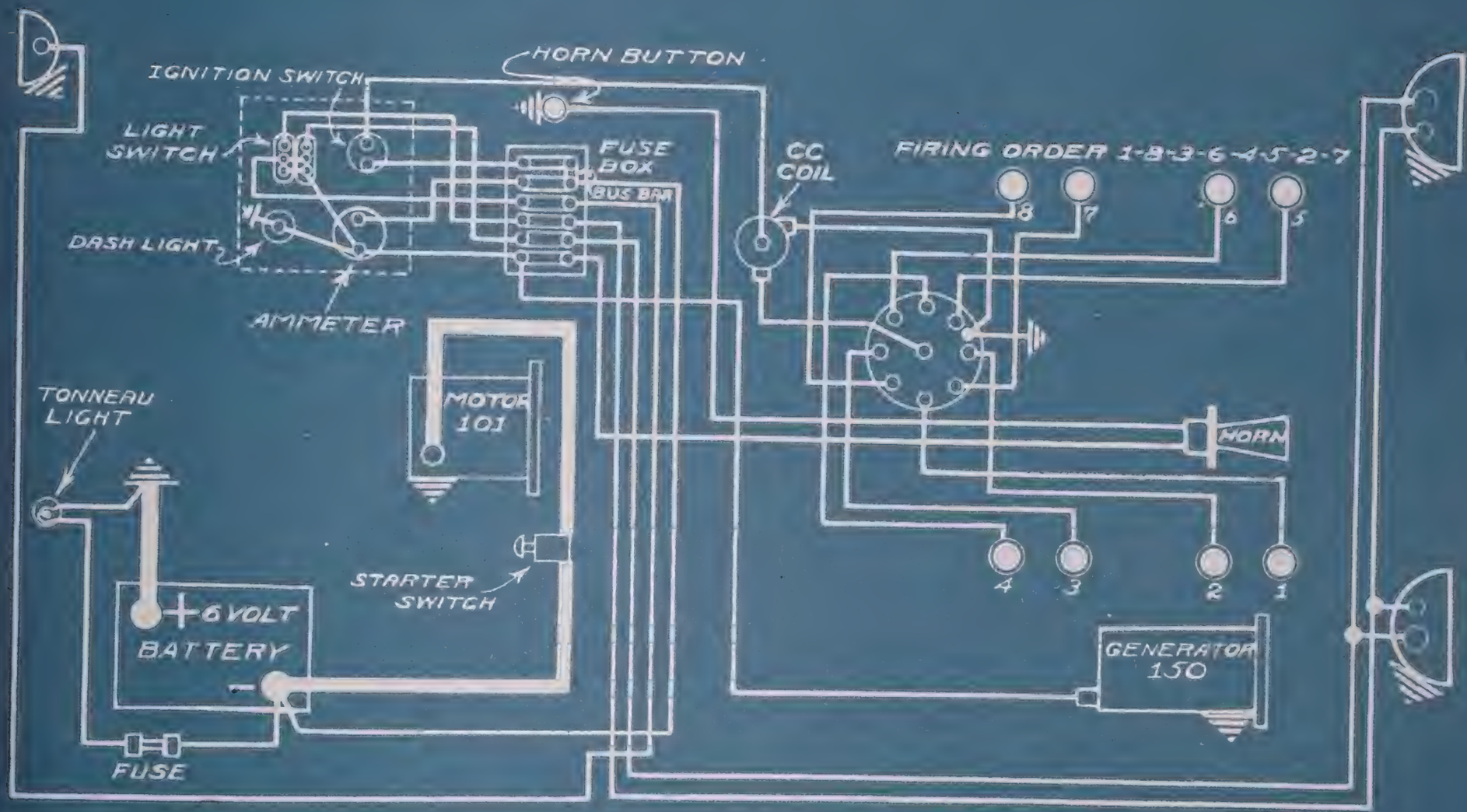
ATWATER KENT IGN.



KING "H" 1921-22

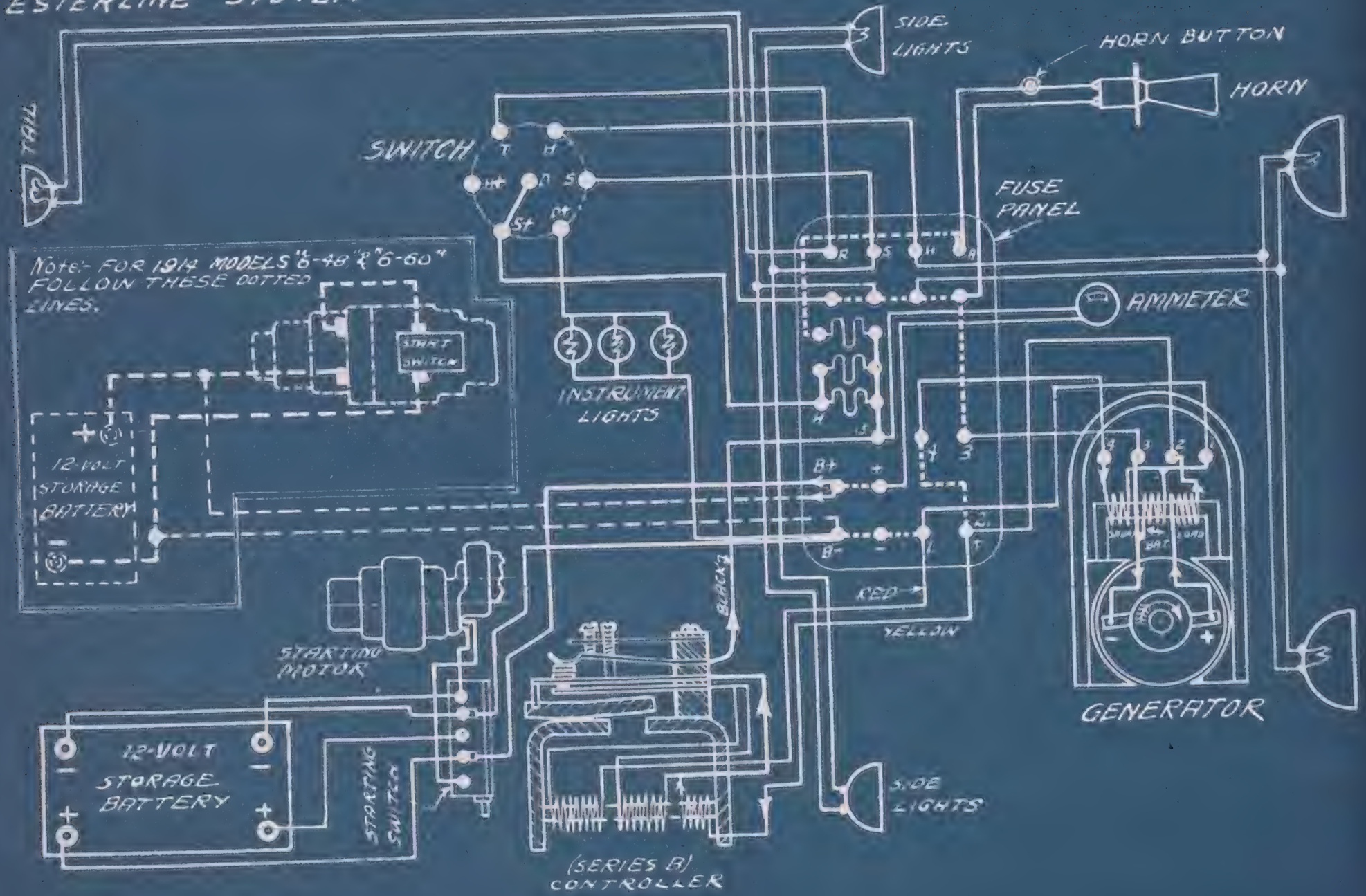
WESTINGHOUSE SYSTEM

ATWATER-KENT IGN.

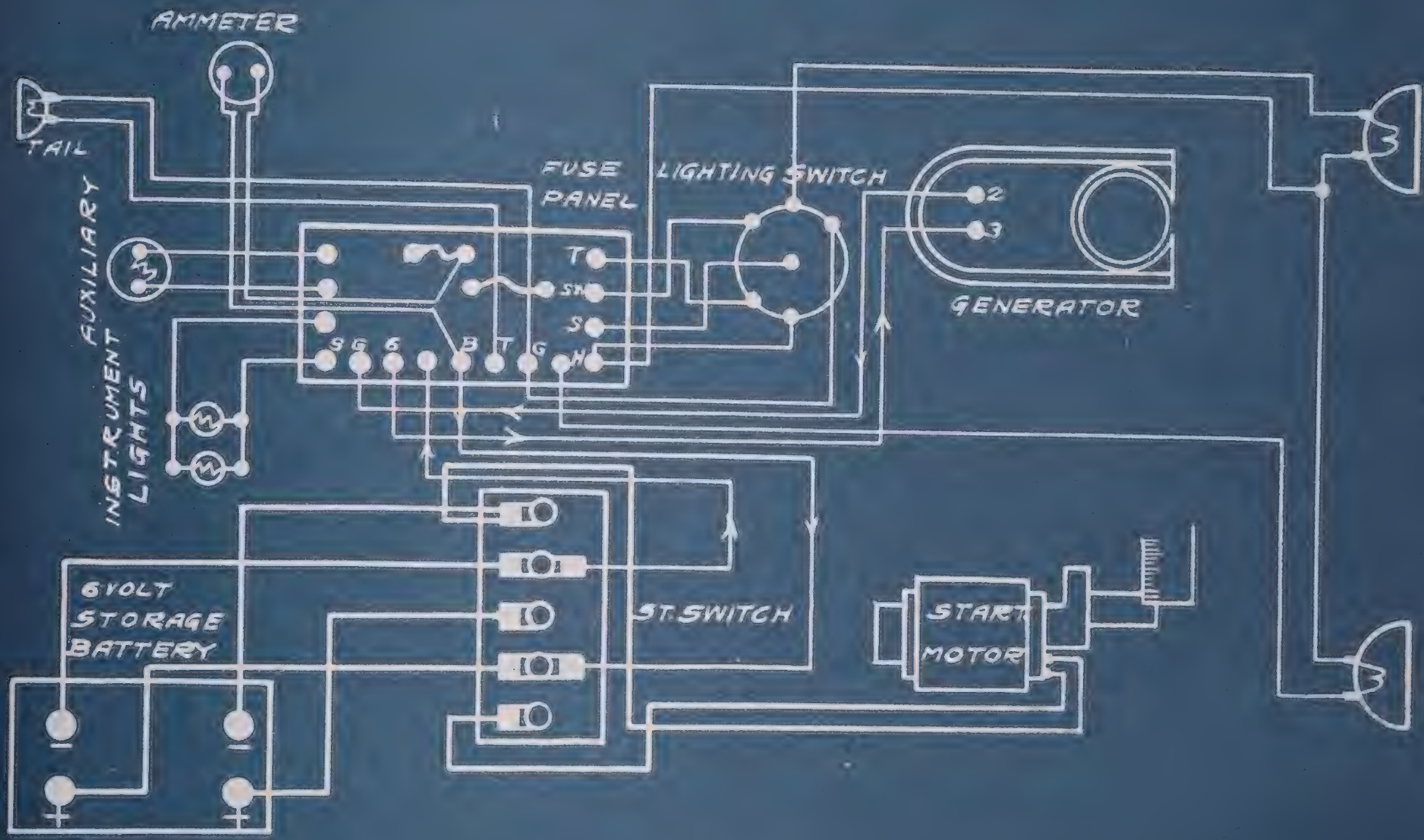


KISSEL 1913- 4-40 & 1914-6-48 & 6-60

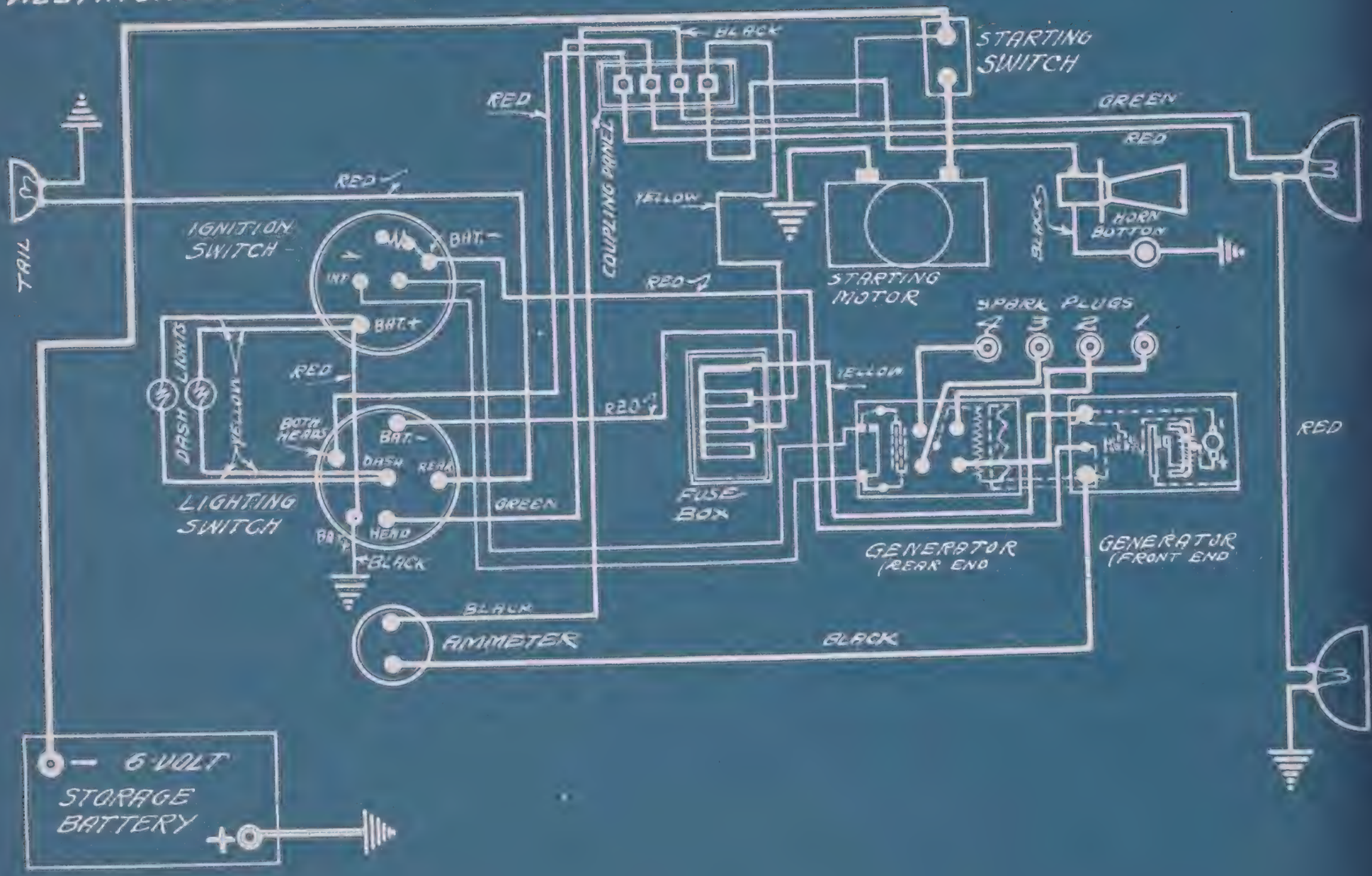
ESTERLINE SYSTEM



KISSEL KAR 1914 4-40
ESTERLINE SYSTEM



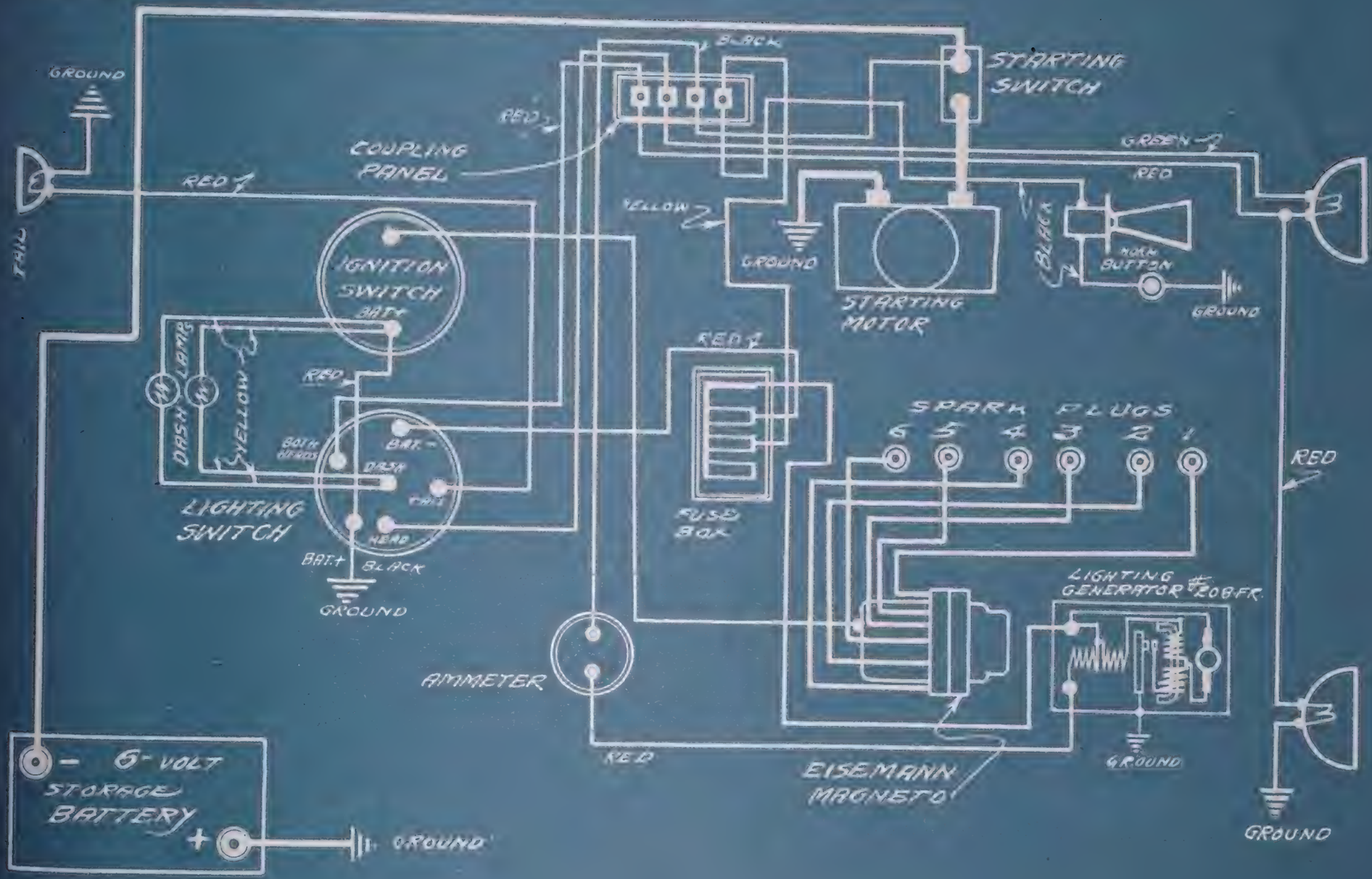
KISSEL KAR 1915 4-36
WESTINGHOUSE SYSTEM



KISSEL KAR 1915-1916

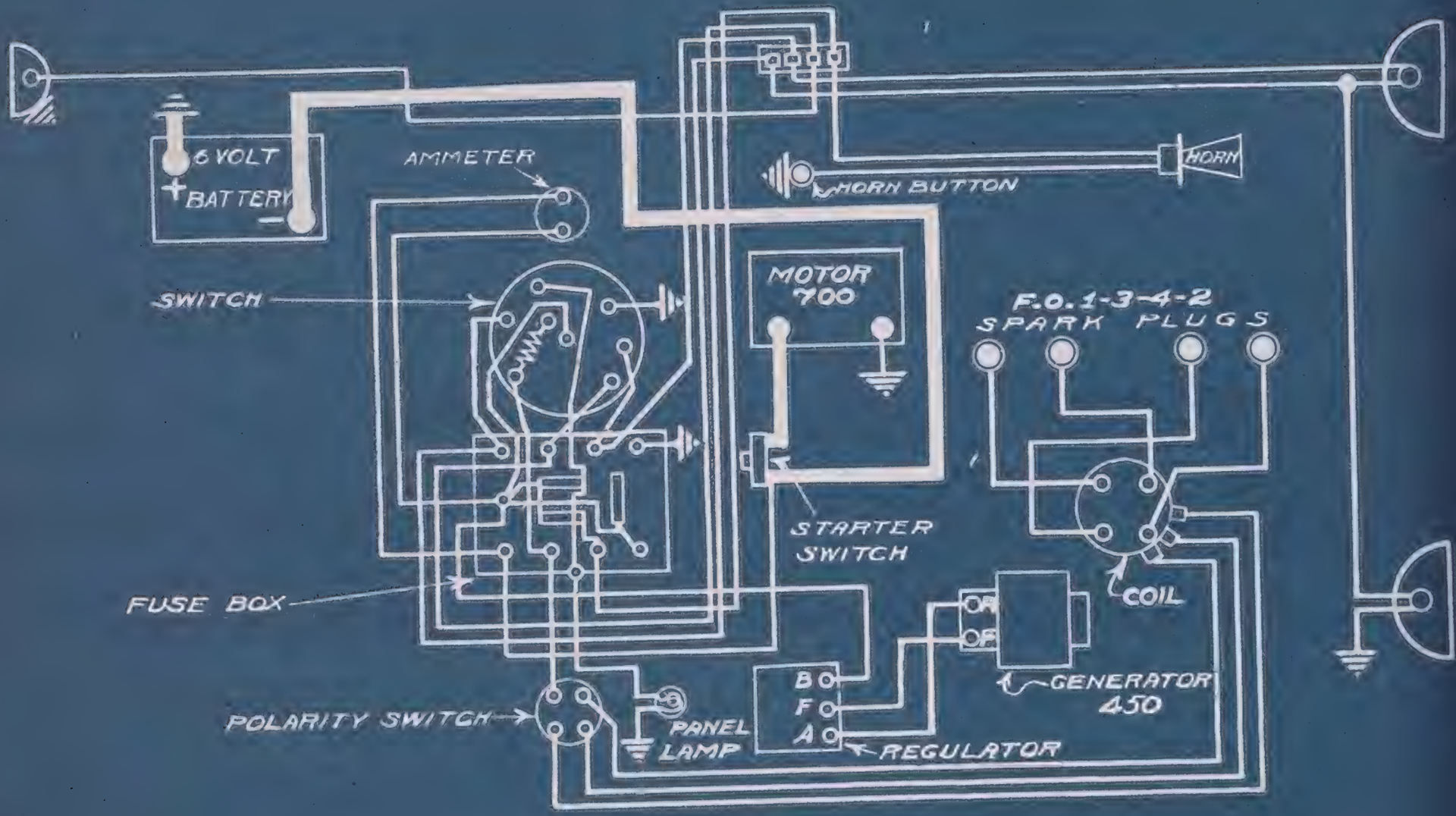
WESTINGHOUSE SYSTEM

6-42



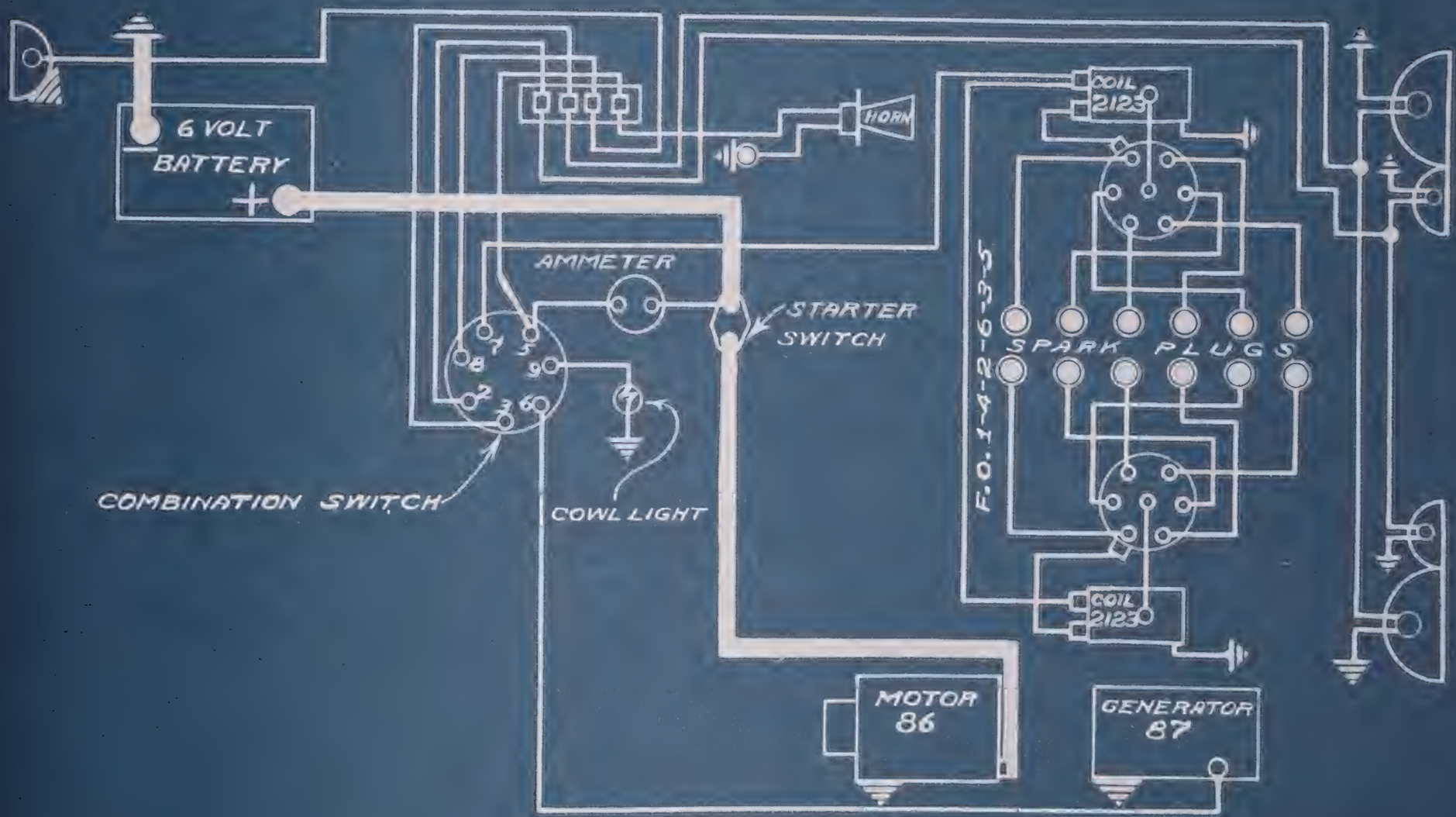
KISSEL KAR "4-32" 1916

WESTINGHOUSE SYSTEM

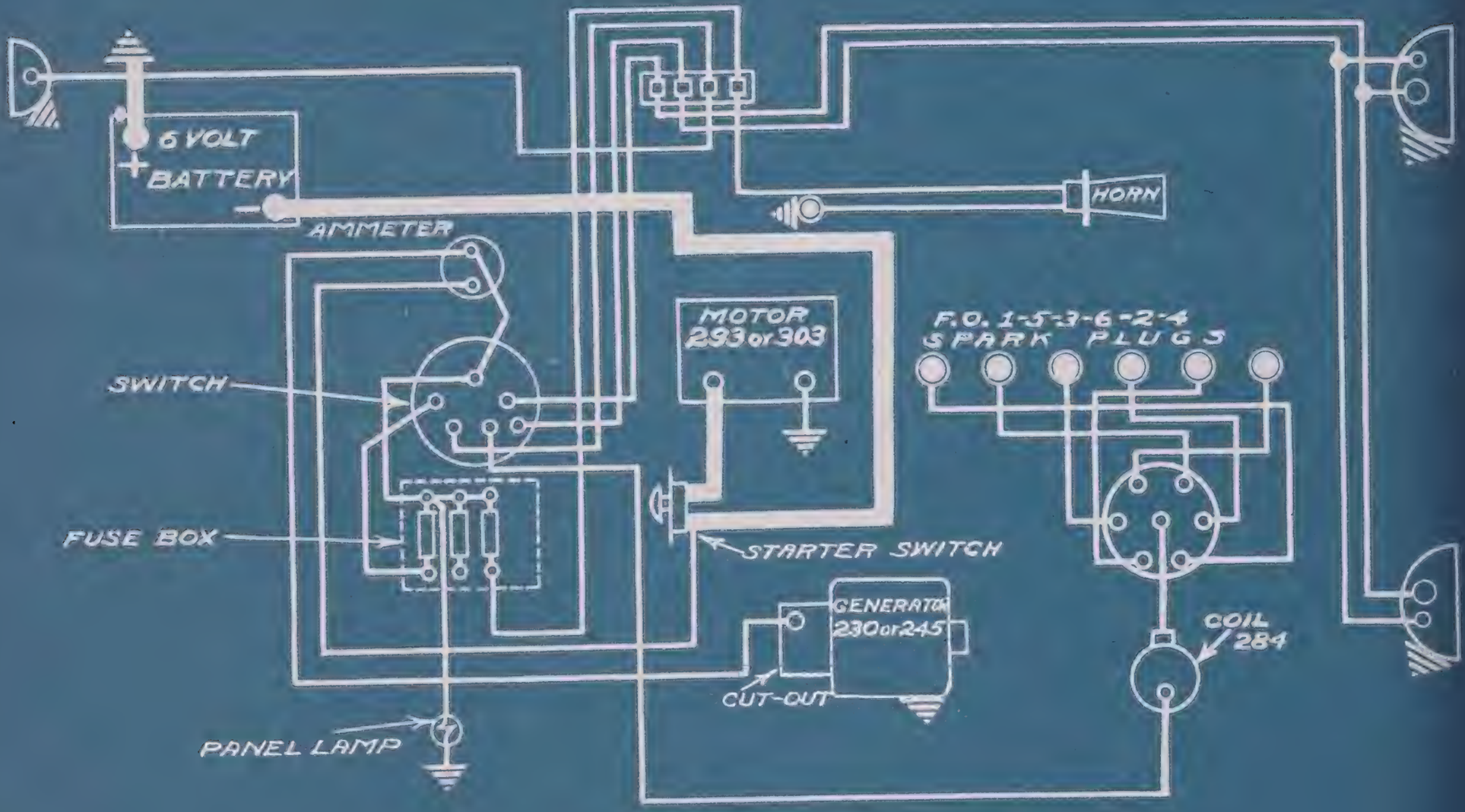


KISSEL KAR "DOUBLE SIX" 1917-18

DELCO SYSTEM

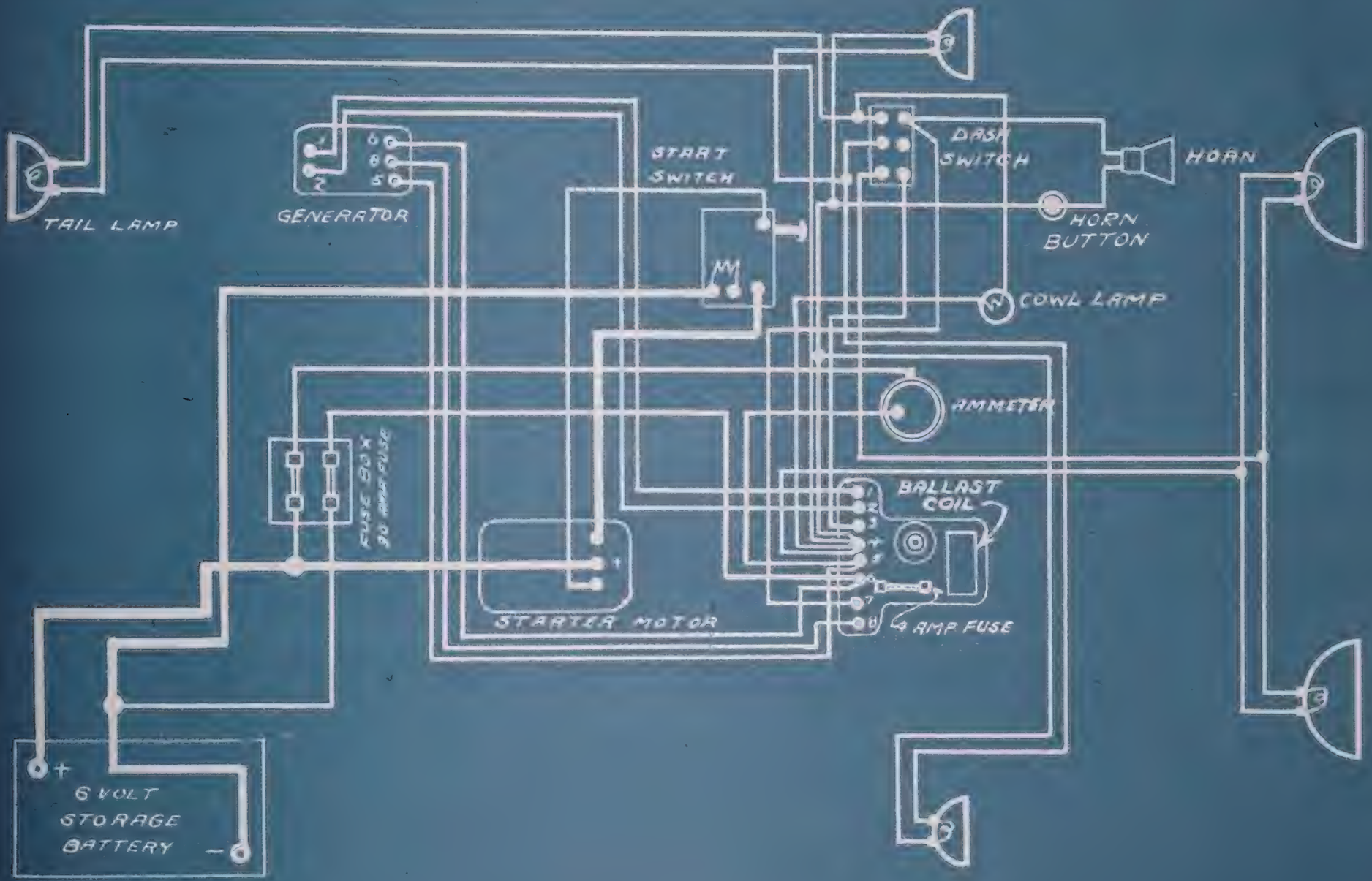


KISSEL KAR "100PT. 6" 1917-18-19
REMY SYSTEM CUSTOM "6" 1920-21-22



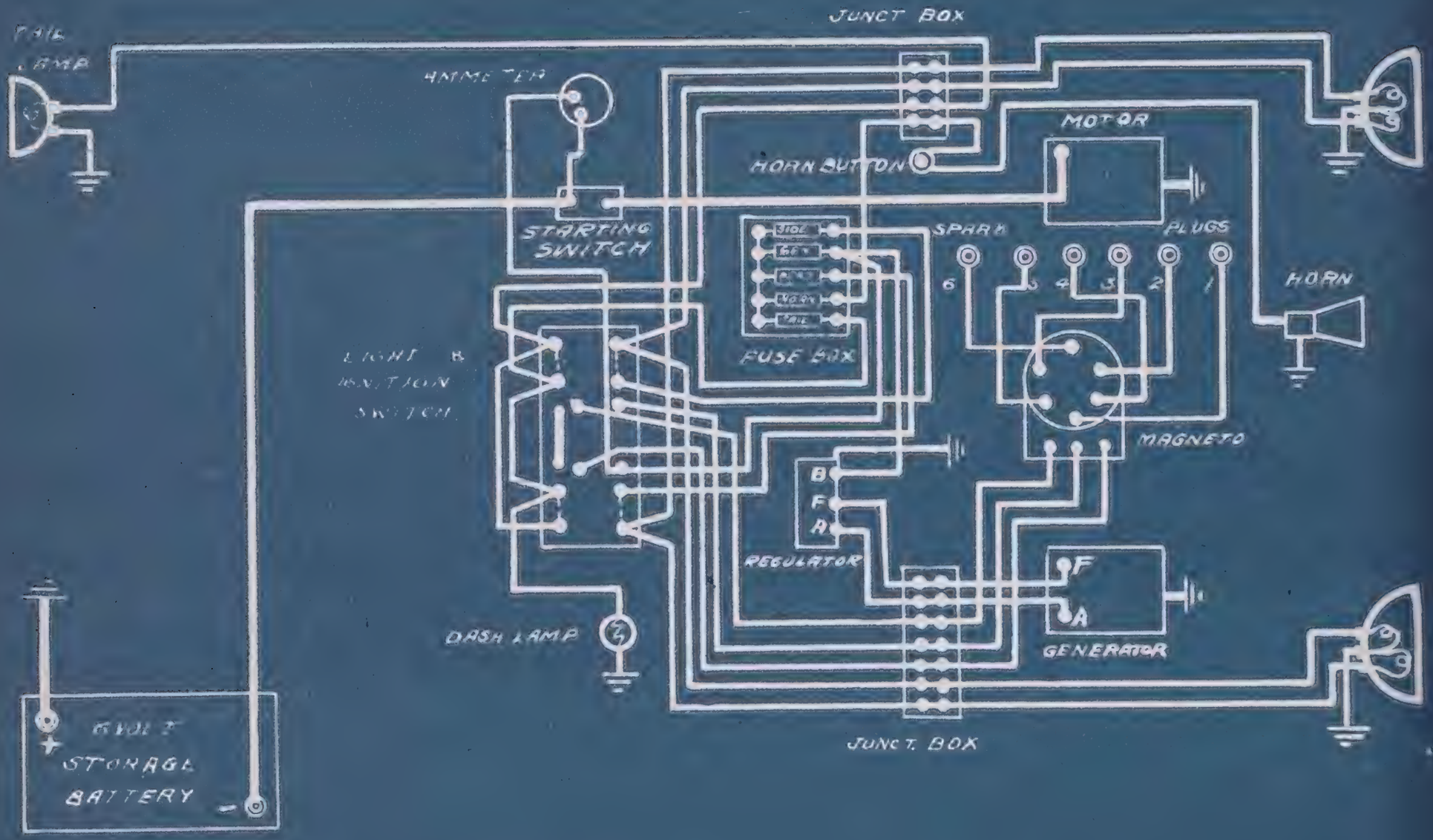
KLINE KAR MODEL B4-40, 6-50 6-60 C 4-30 1913-1914.

RUSHMORE SYSTEM



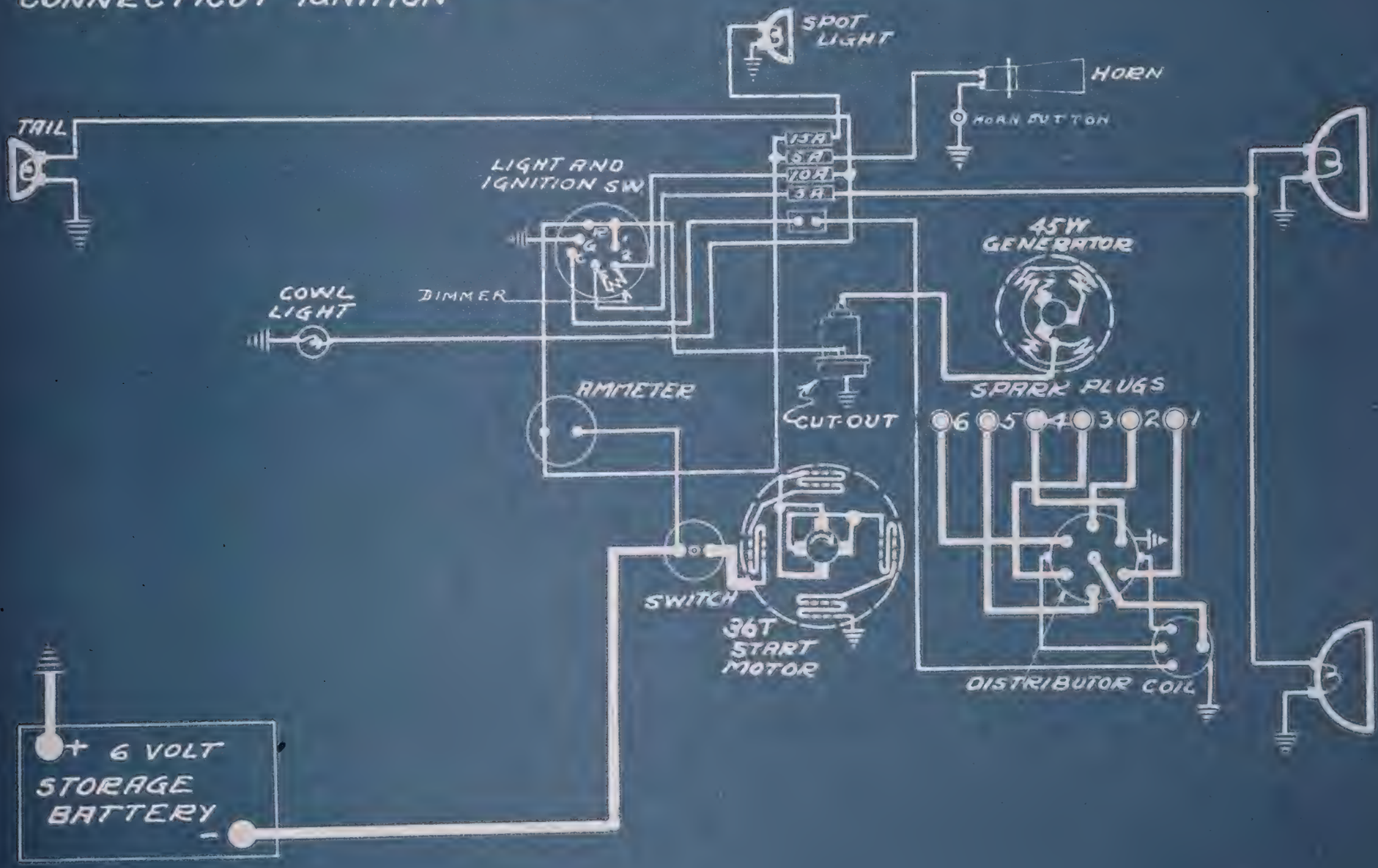
KLINE-KAR MODEL 6-36 1916-1917-1918

WESTINGHOUSE SYSTEM

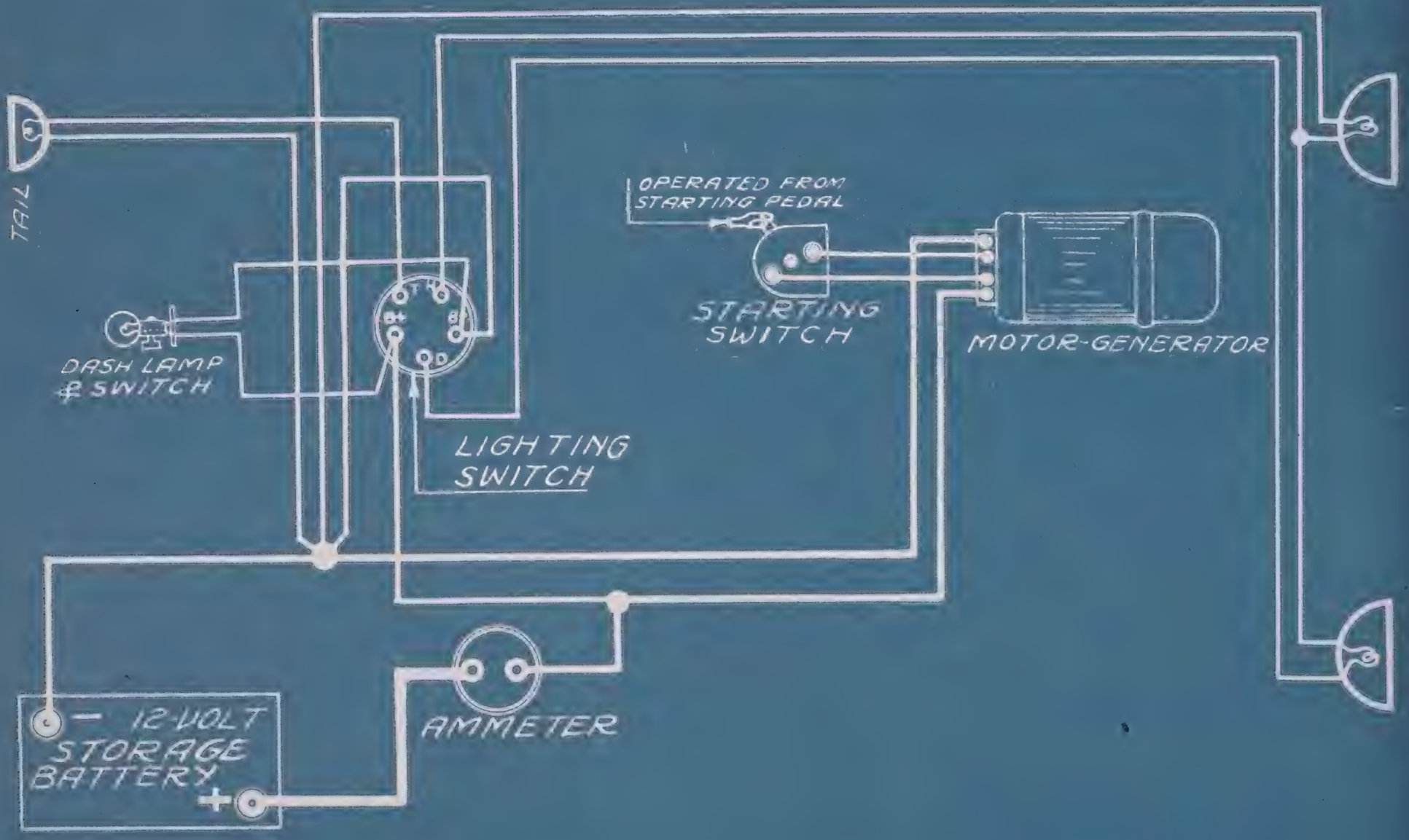


KLINE KAR MODEL "6-55" 1920-1921-1922

WAGNER STARTING AND LIGHTING
CONNECTICUT IGNITION



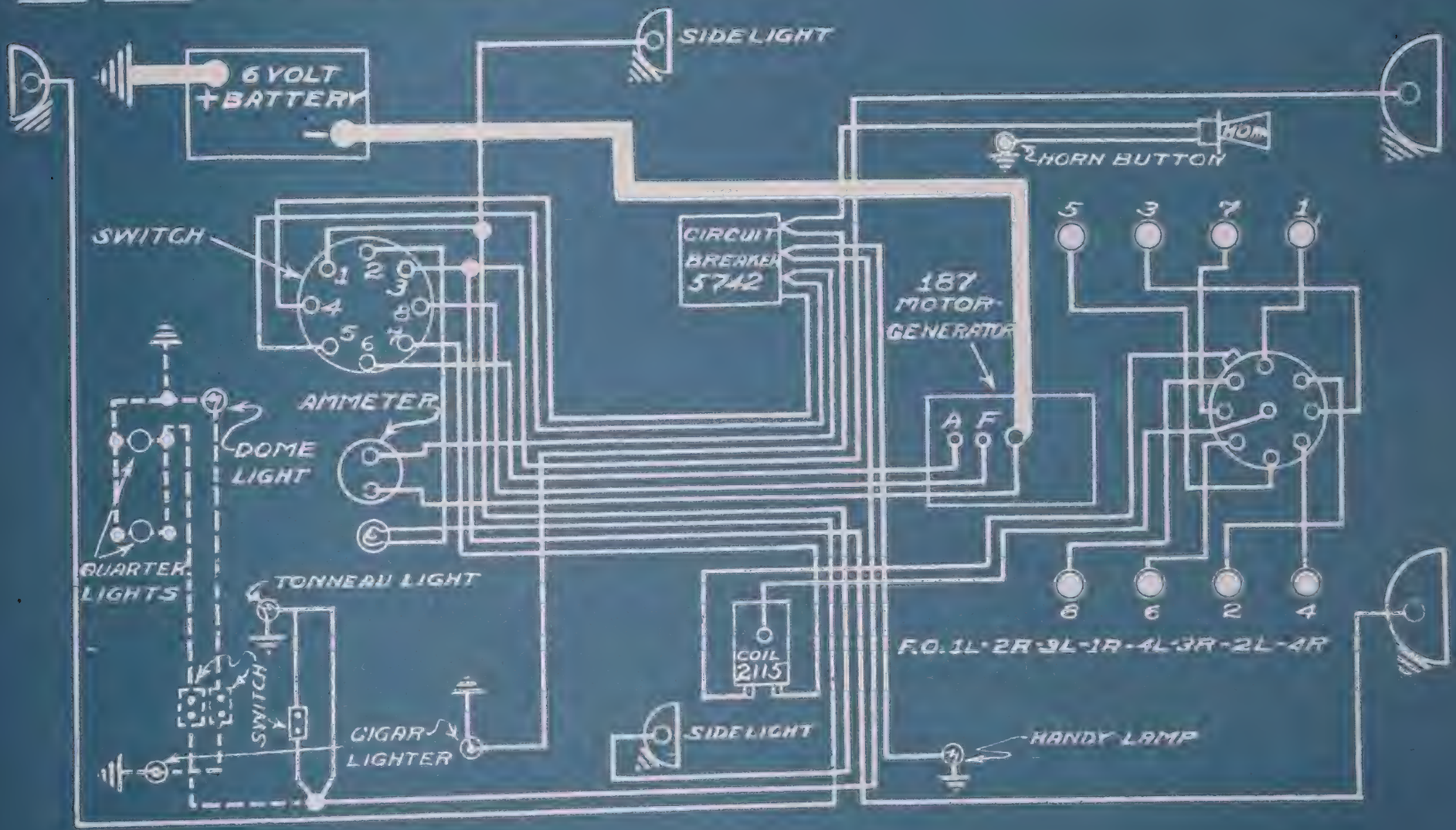
KRIT 1915
NORTH-EAST SYSTEM



LAFAYETTE ALL MODELS 1920-21-22

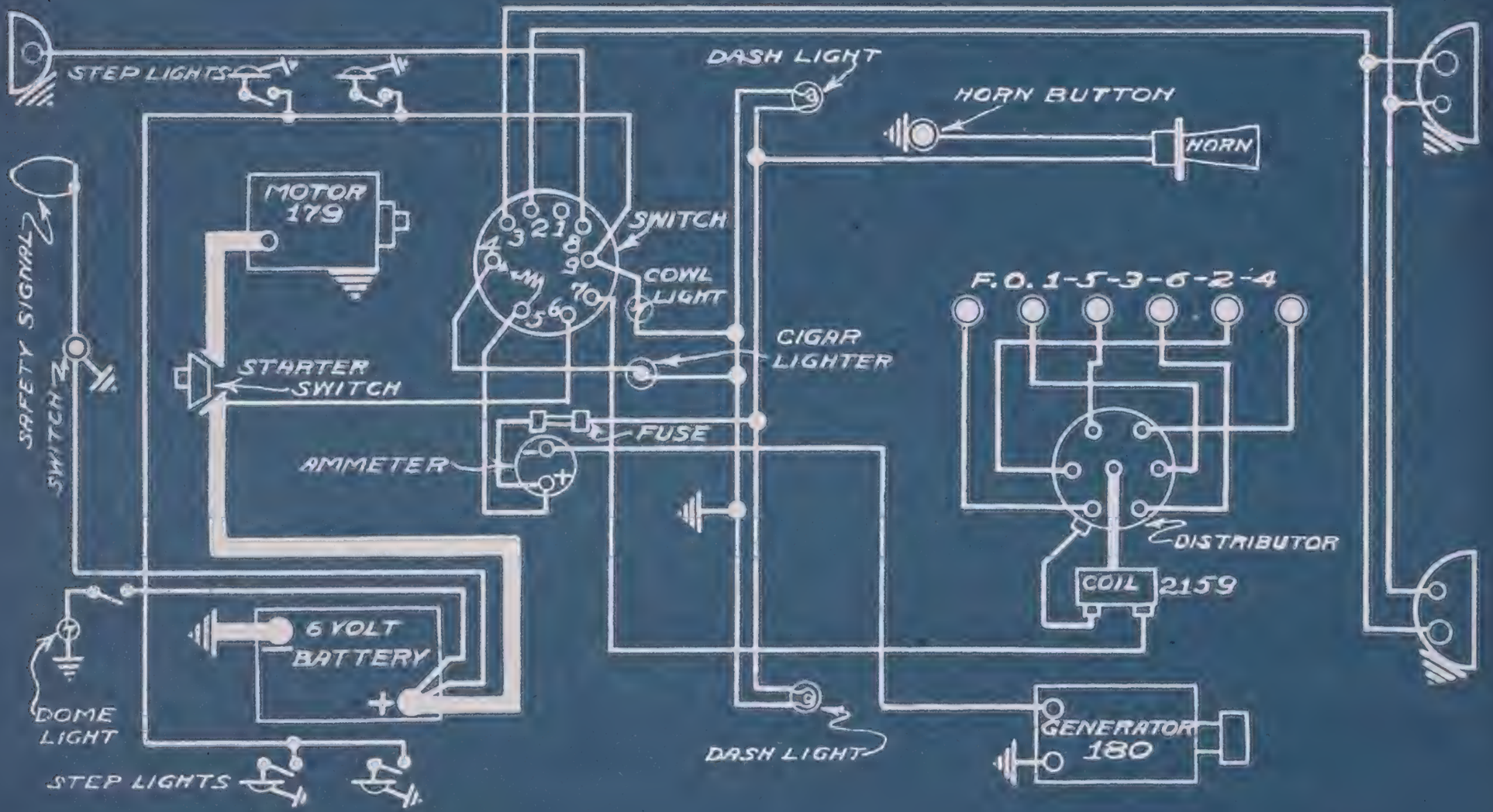
DELCO SYSTEM

DASH LINES FOR CLOSED MODELS



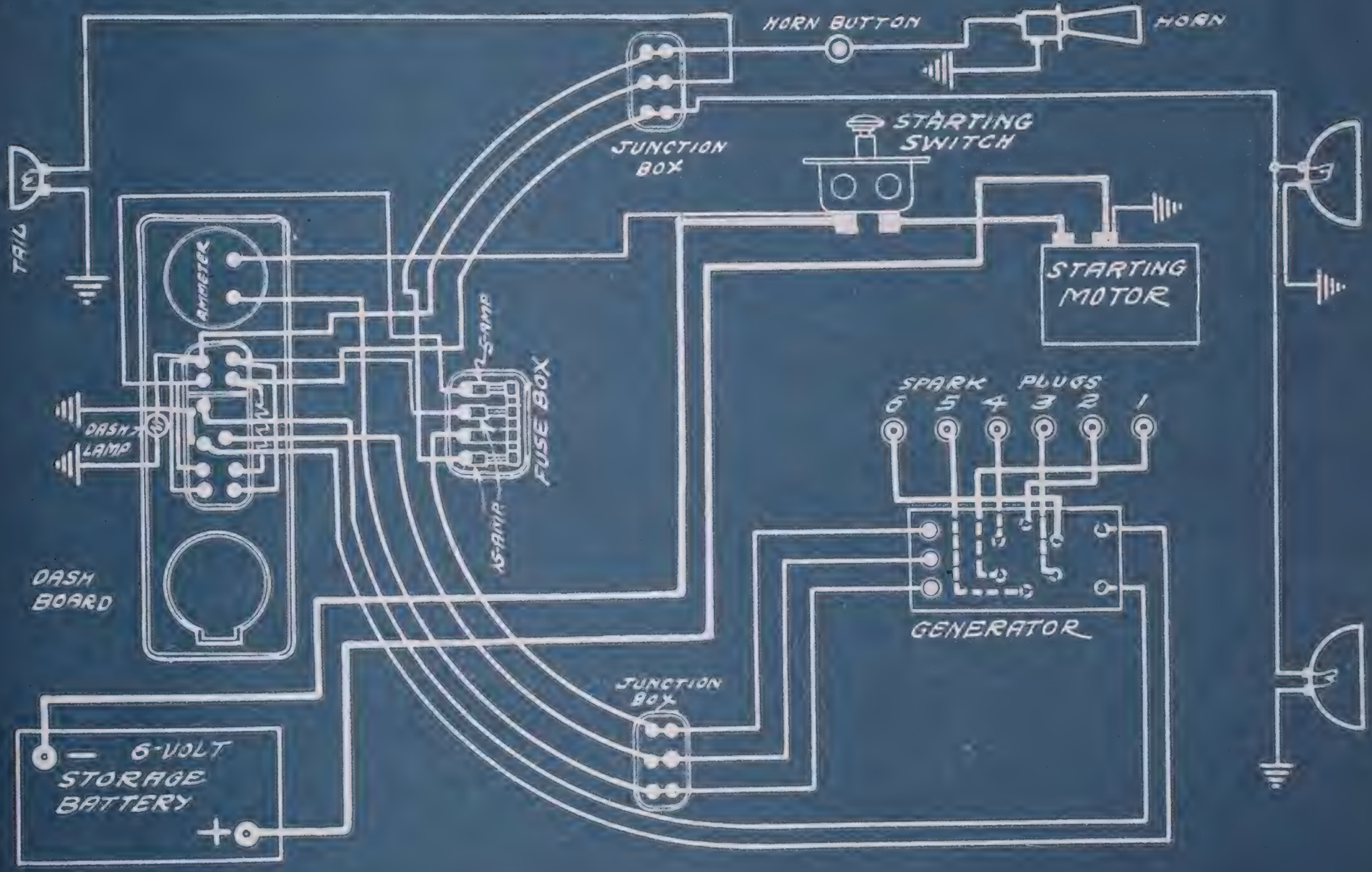
LEACH BILTWELL "POWER PLUS SIX" 1920

DELCO SYSTEM



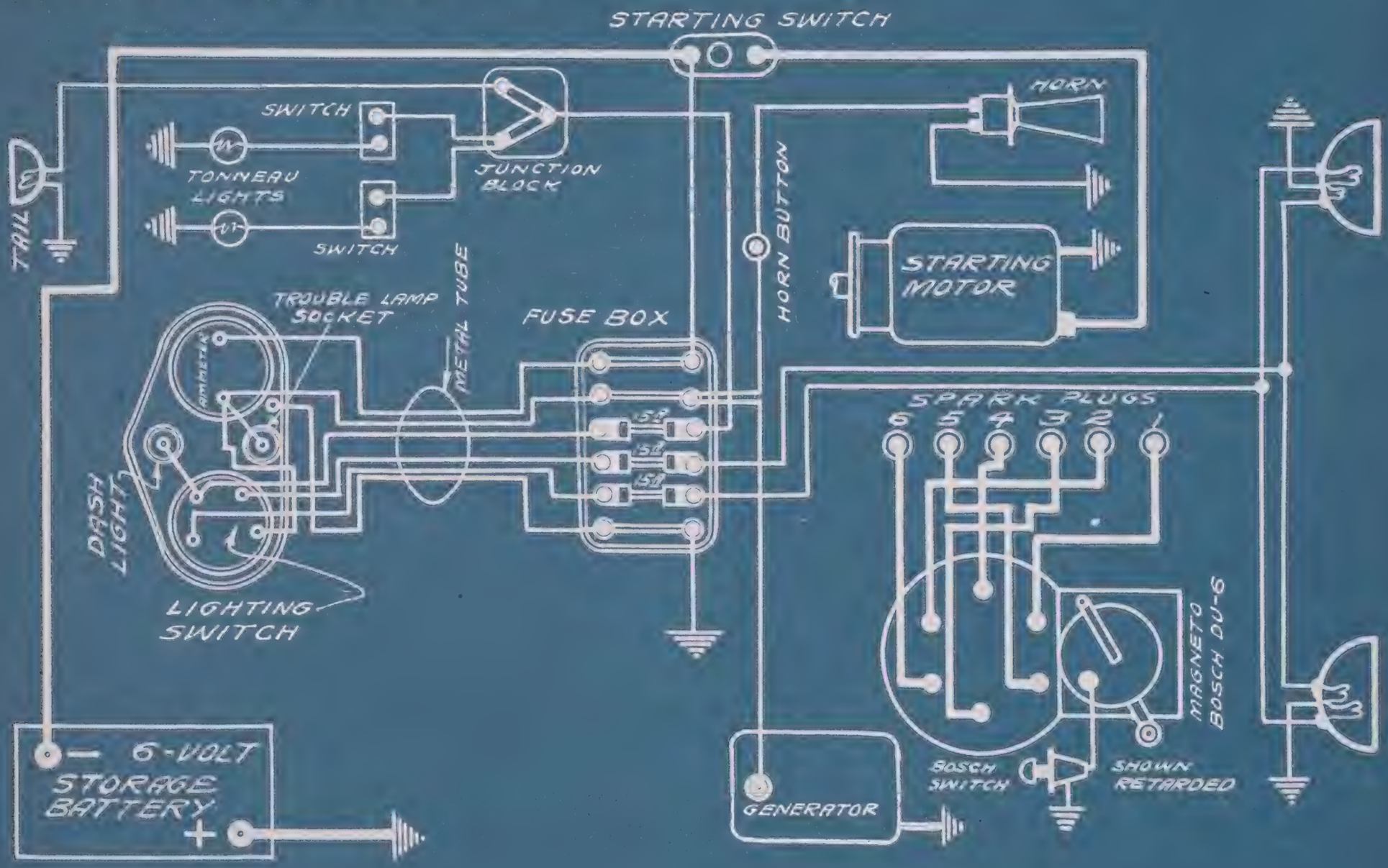
LEXINGTON 1915 4-K & 6-L

WESTINGHOUSE SYSTEM



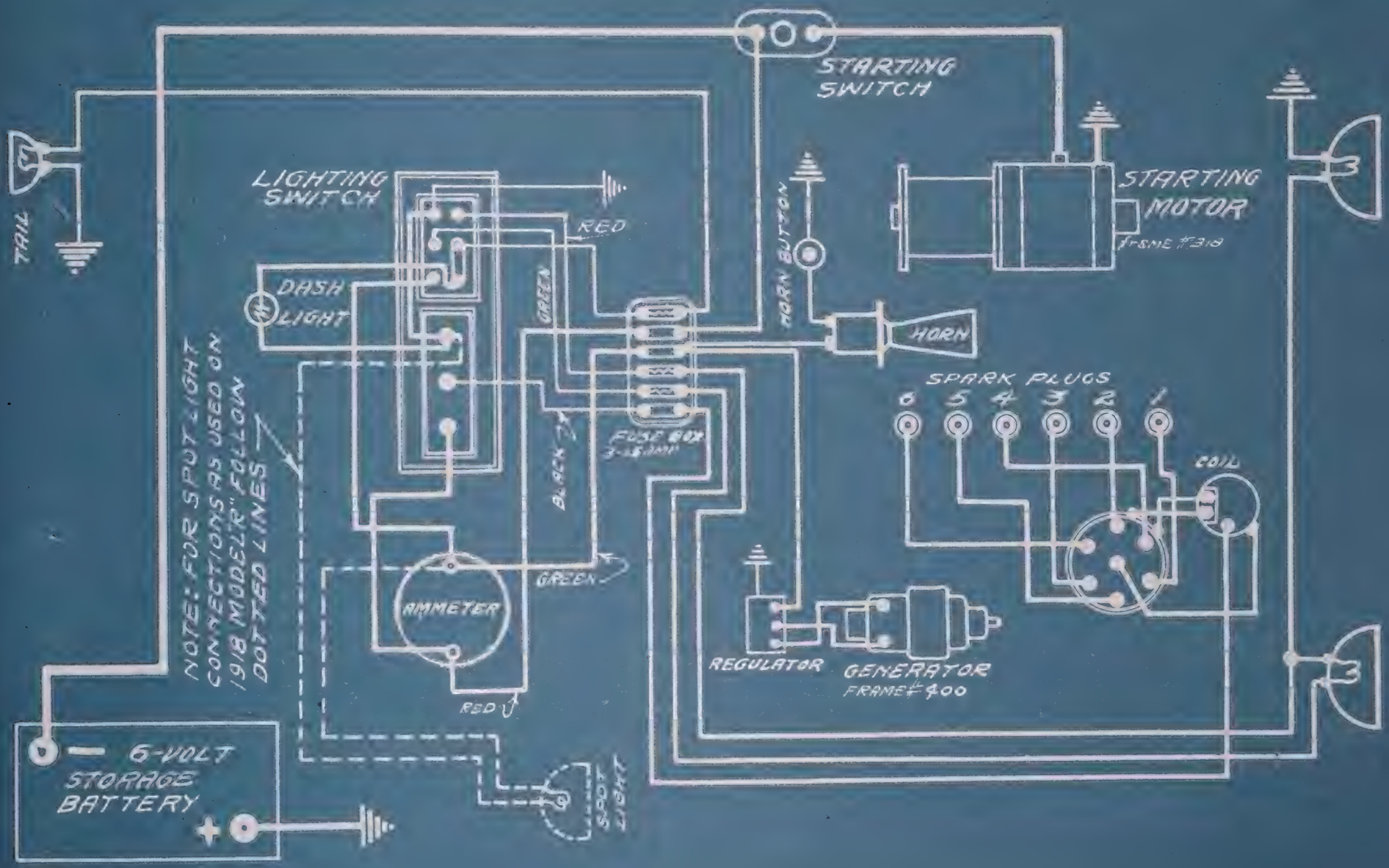
LEXINGTON 1916 6-N

WESTINGHOUSE SYSTEM



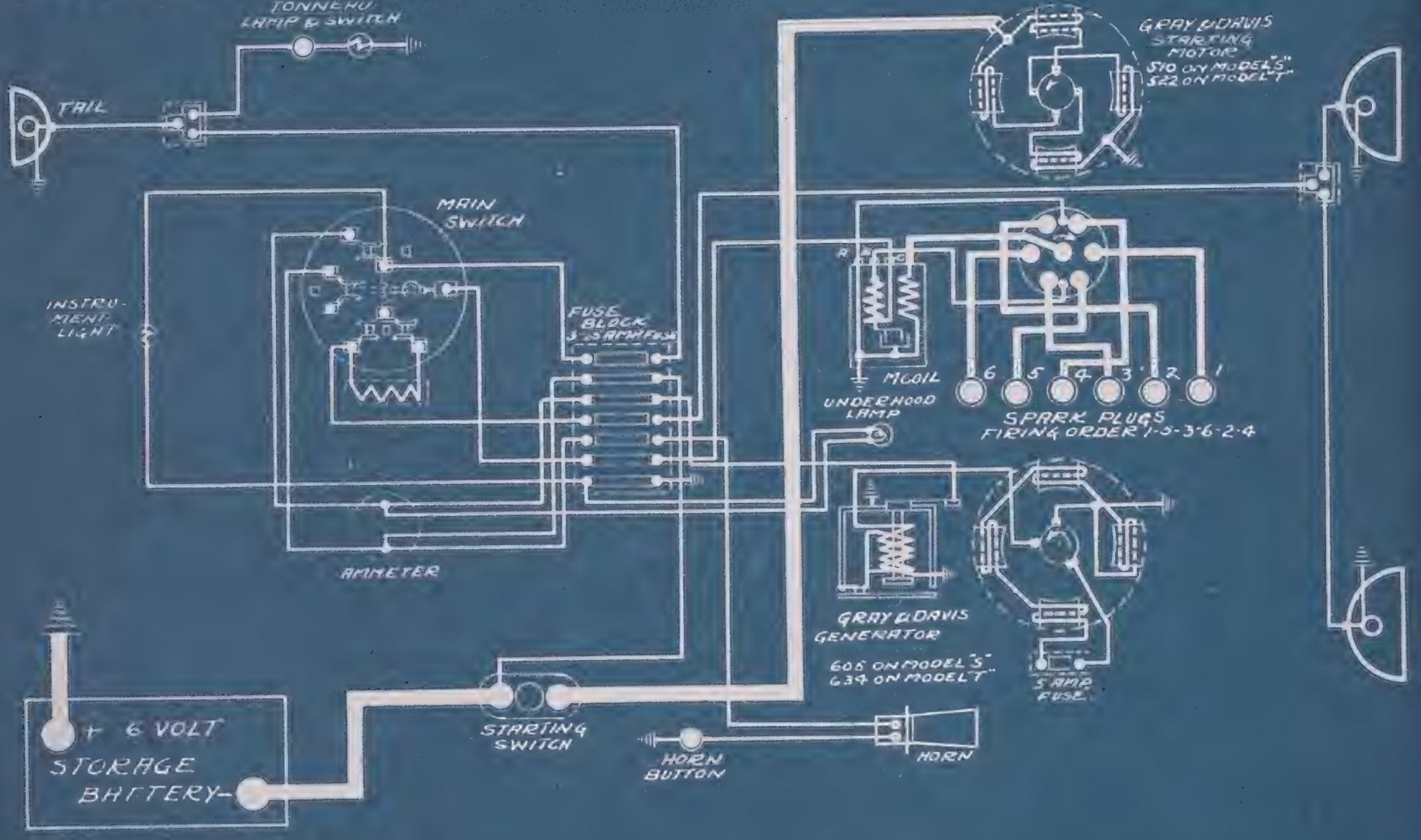
LEXINGTON 1916-17 "O" 1918-1919 "R"

WESTINGHOUSE SYSTEM CONN. IGN. & SWITCH



LEXINGTON "S" 1920 - "T" 1921

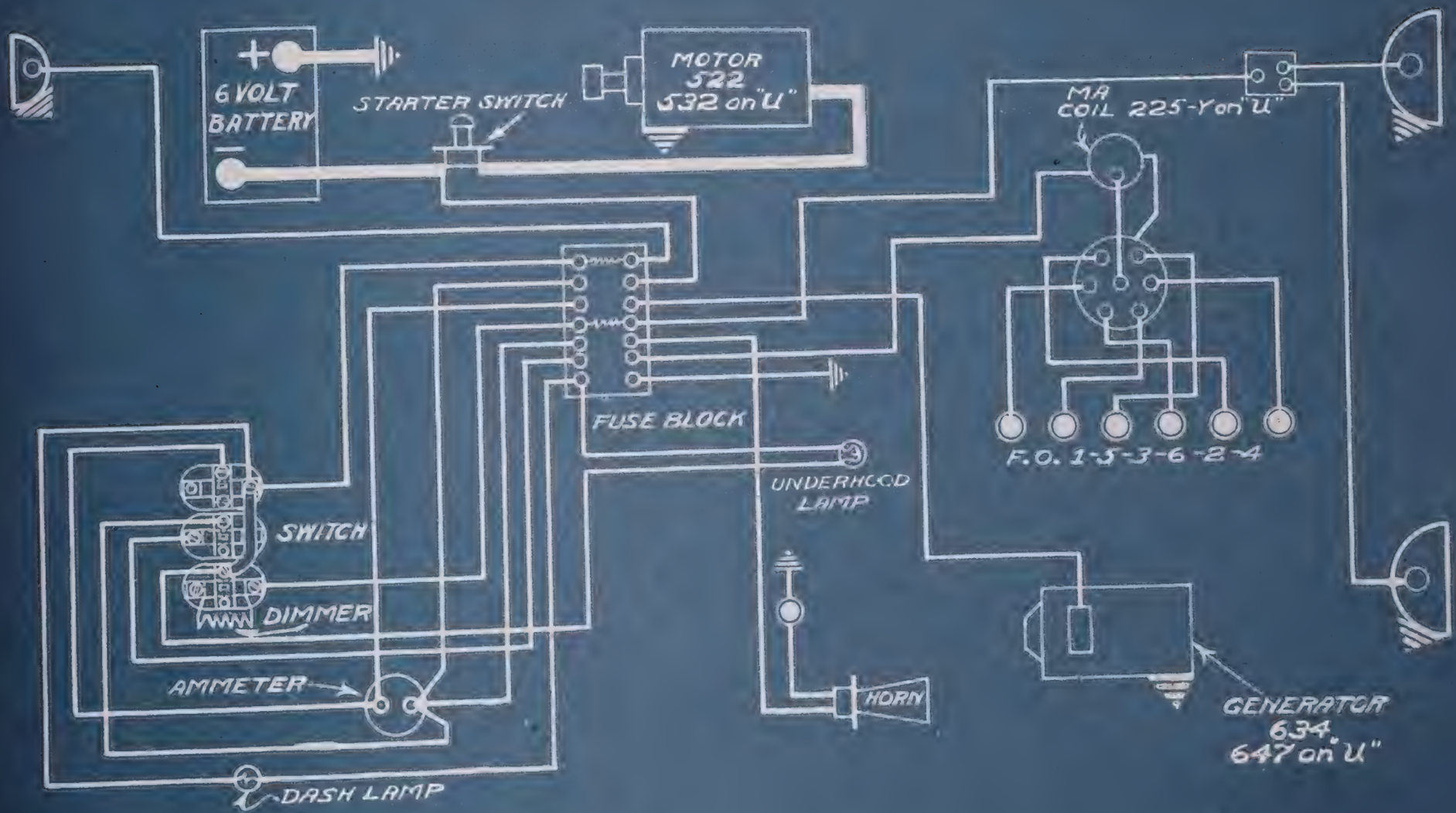
GRAY & DAVIS SYSTEM
CONNECTICUT IGNITION



LEXINGTON "U, T, LARK" 1922

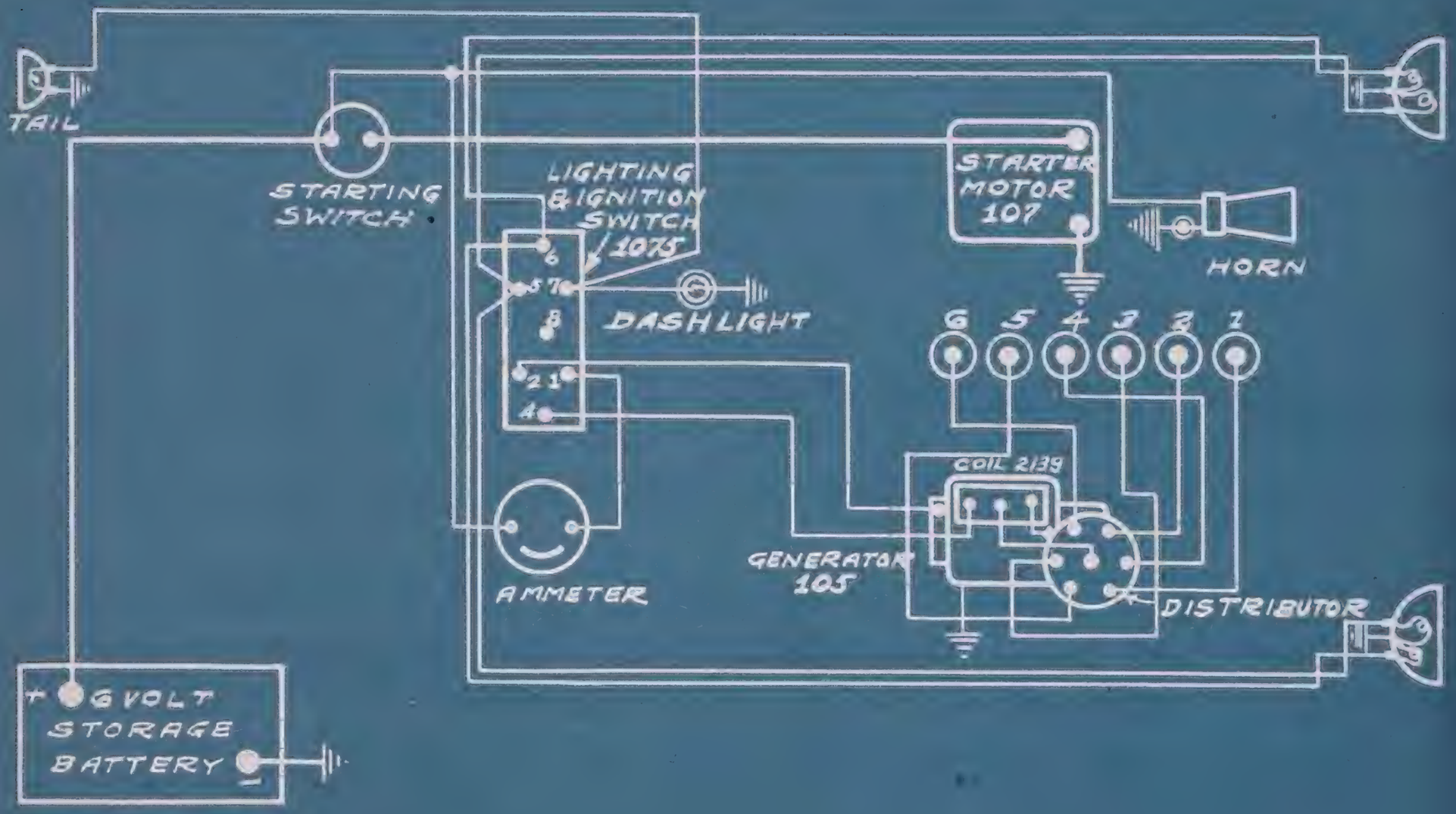
GRAY & DAVIS SYSTEM

CONNECTICUT IGNITION



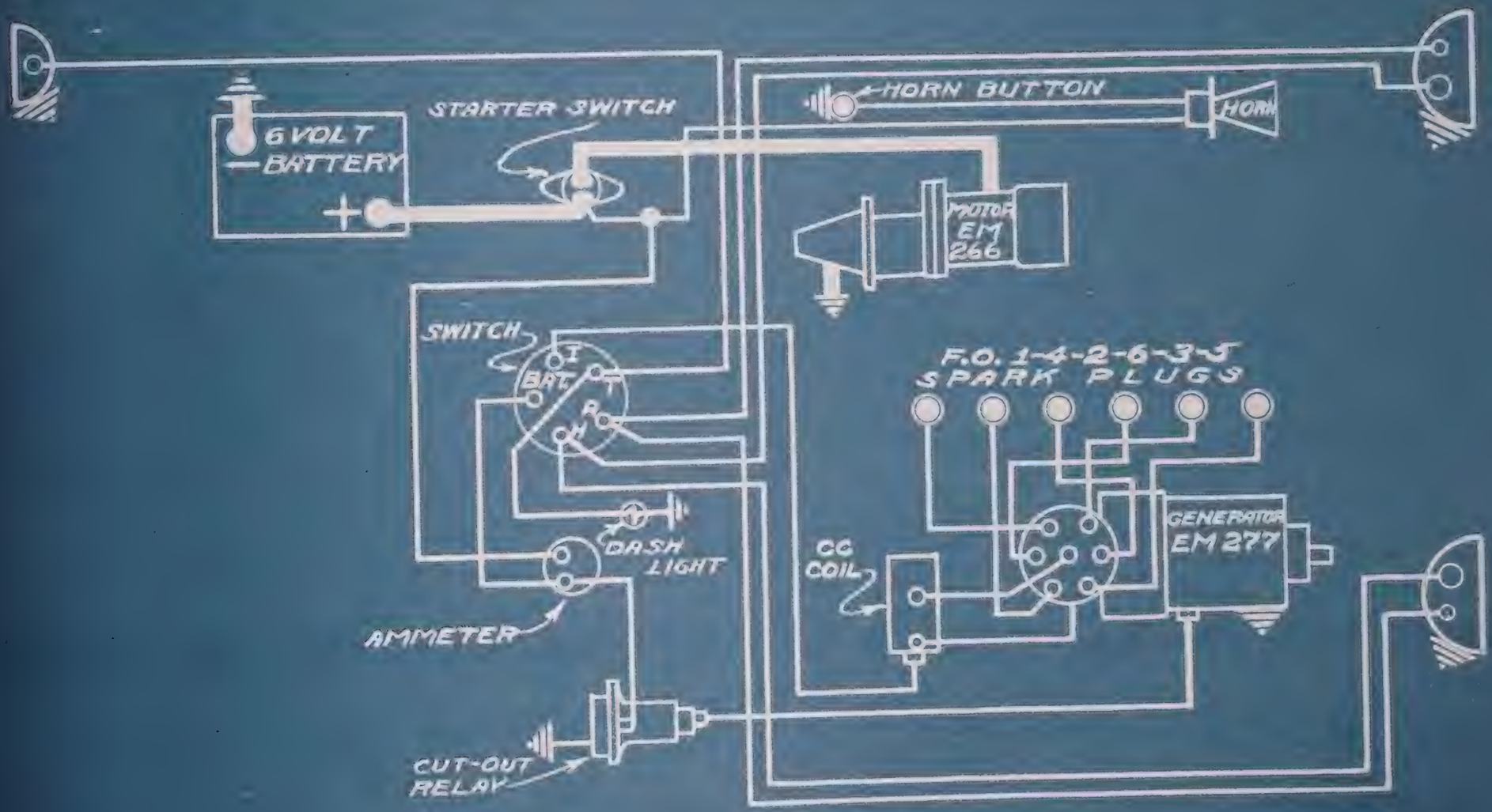
LIBERTY 1917-18 10-A-B

DELCO SYSTEM

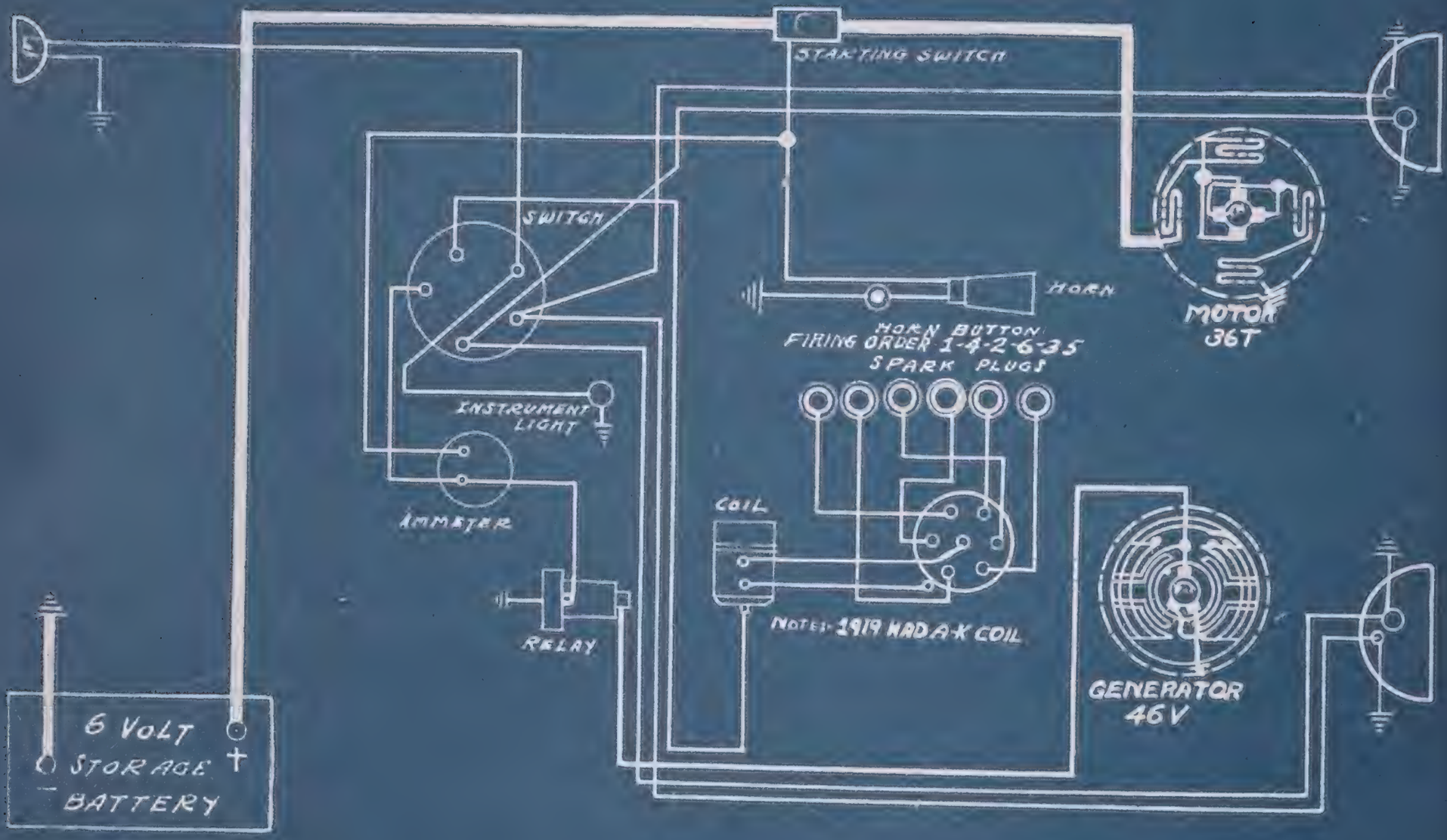


LIBERTY "10-B" 1918-19

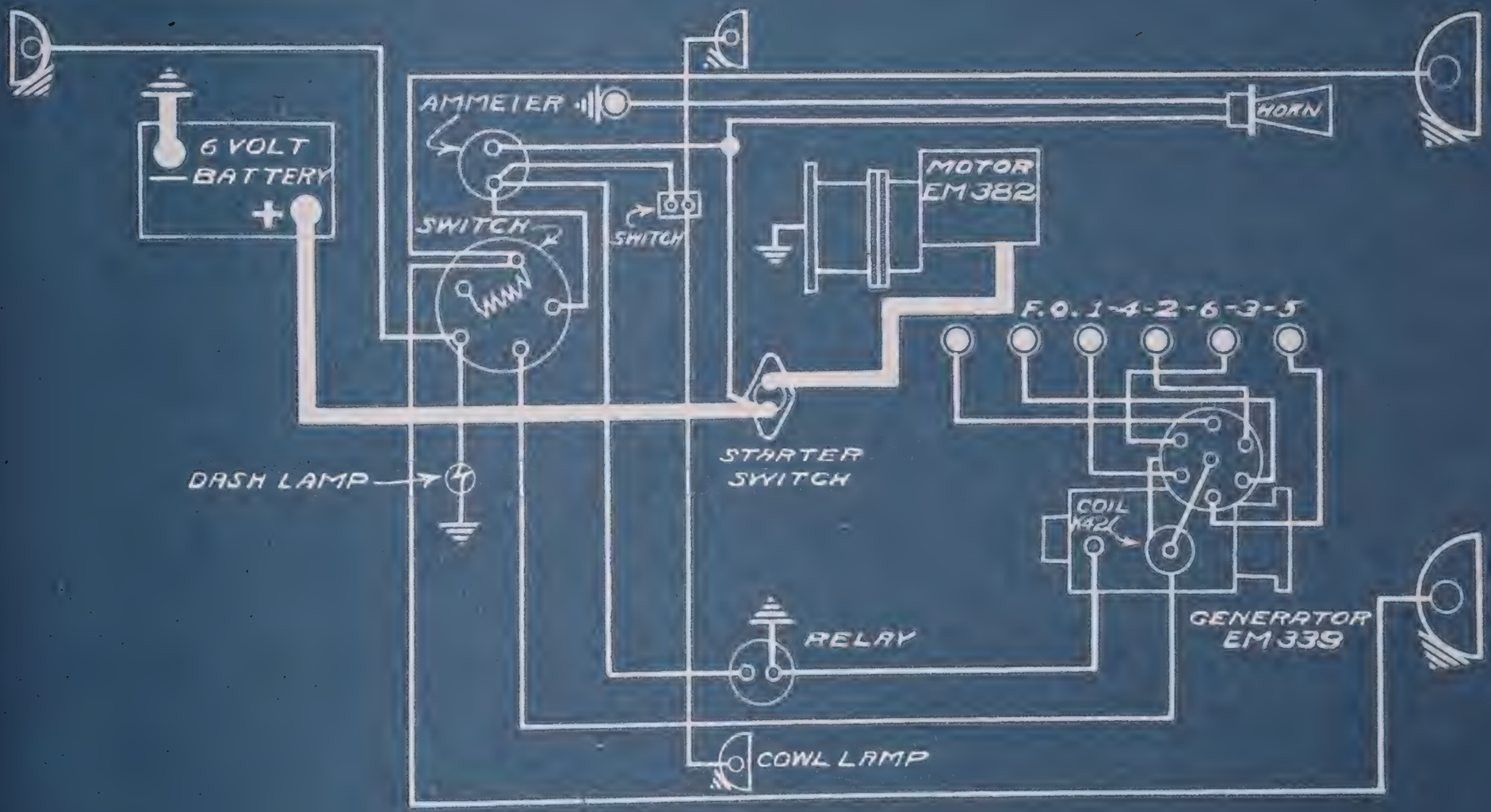
WAGNER SYSTEM
ATWATER KENT IGN.



LIBERTY 10-B & 10-C 1919-1920-1921
WAGNER SYSTEM

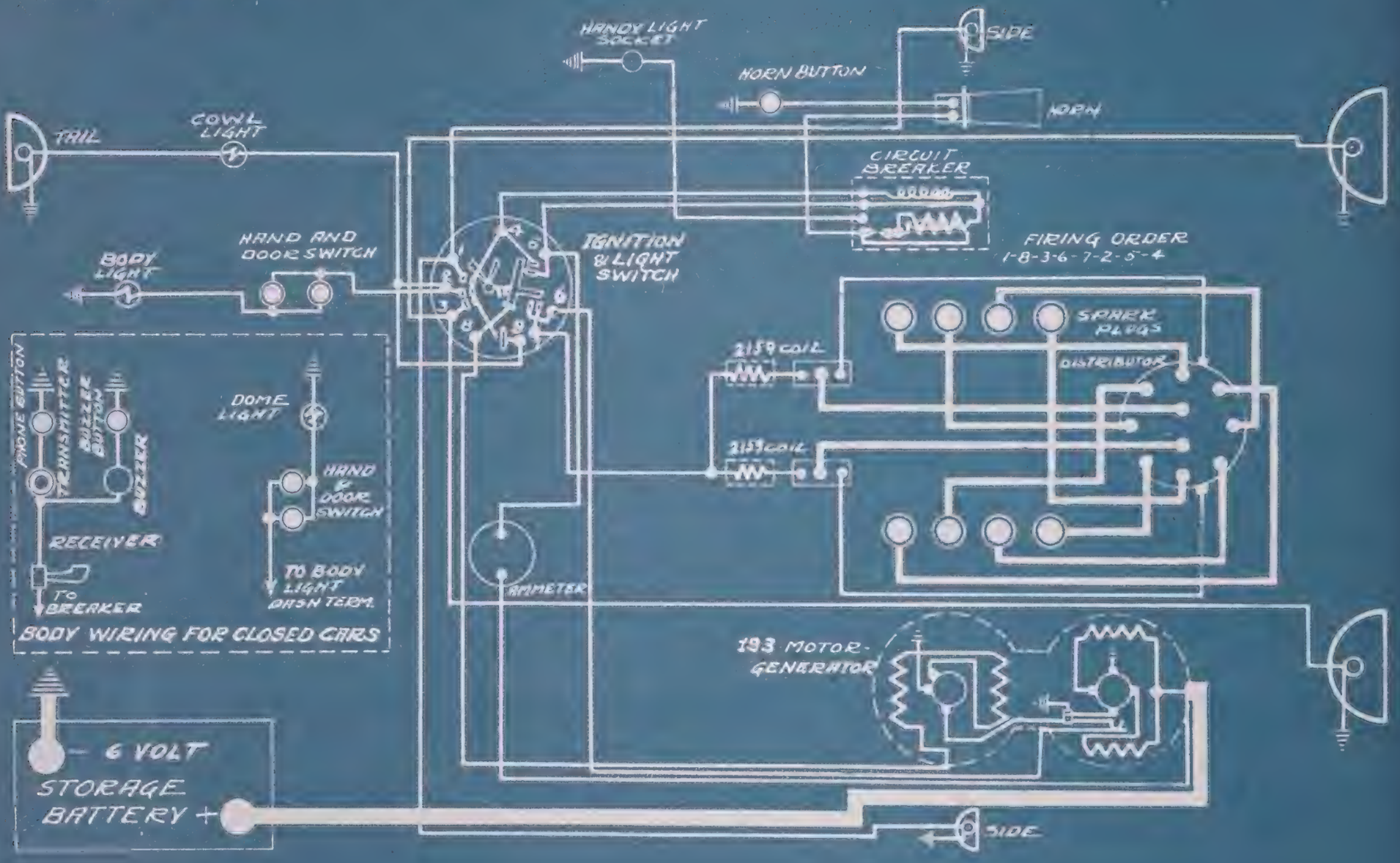


LIBERTY "10C" 1922
WAGNER SYSTEM



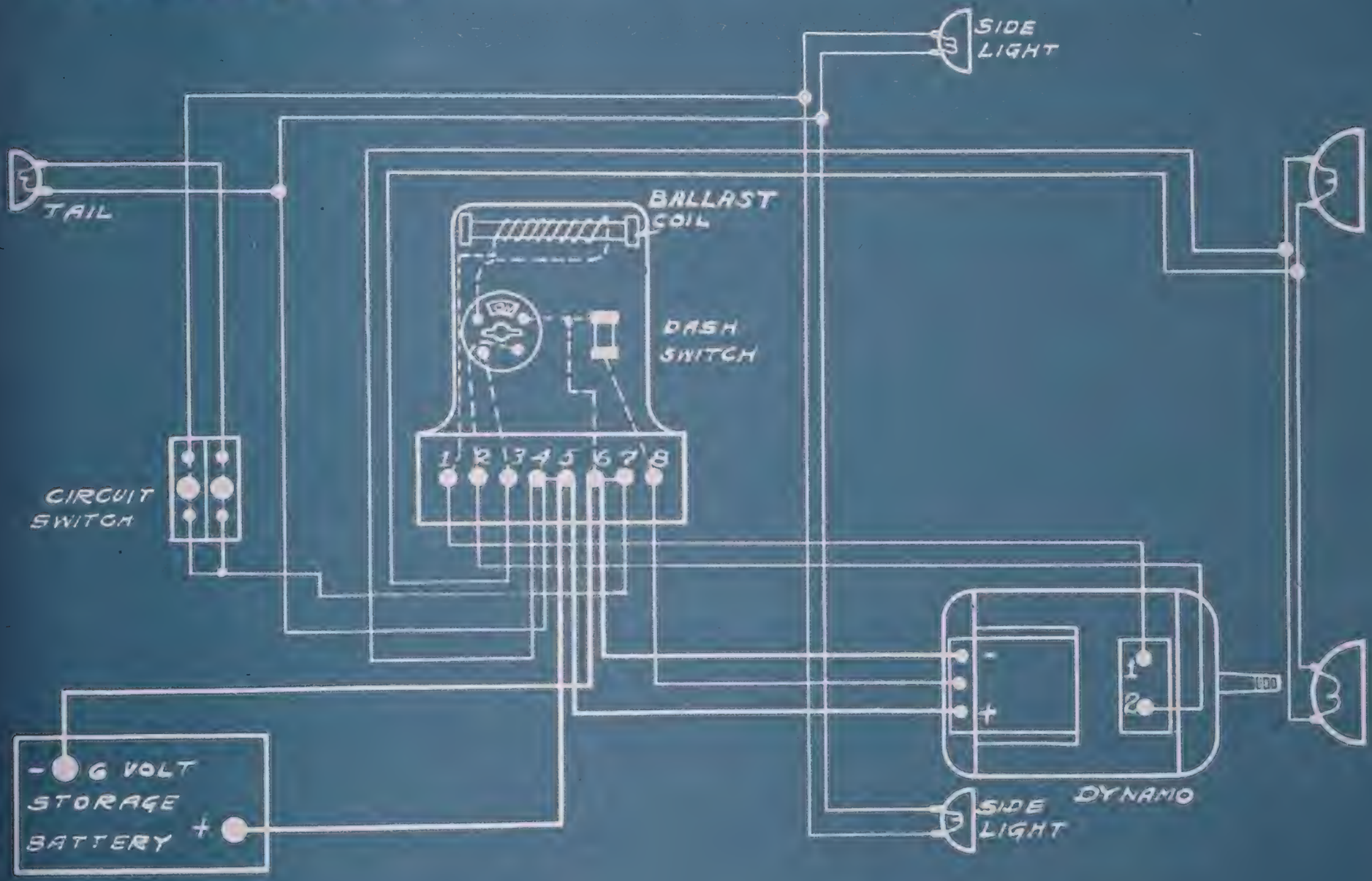
LINCOLN 1920-1921-1922

DELCO SYSTEM



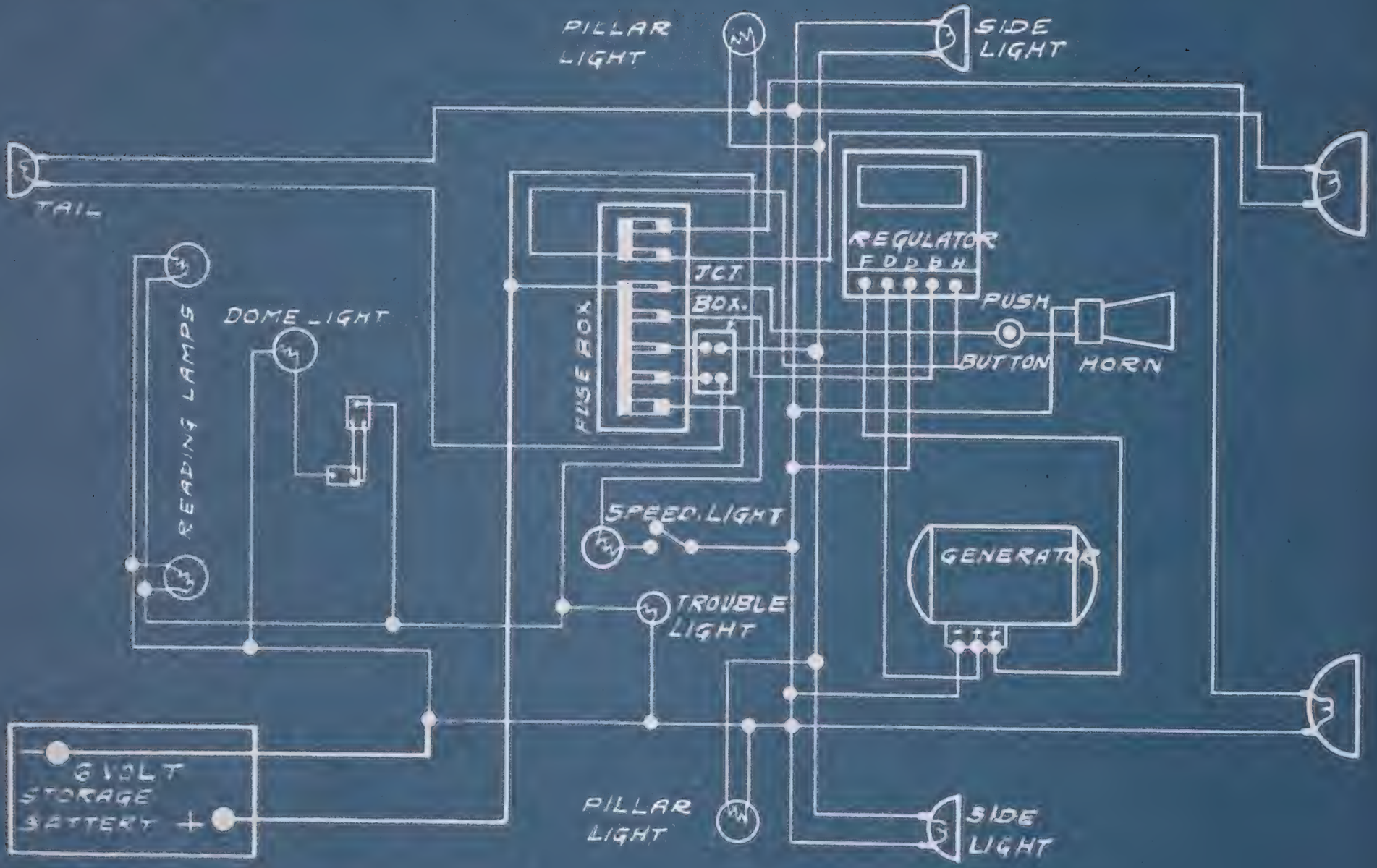
LOCOMOBILE 1911-12-13 "30" 1911-12 "38+48"

RUSHMORE SYSTEM



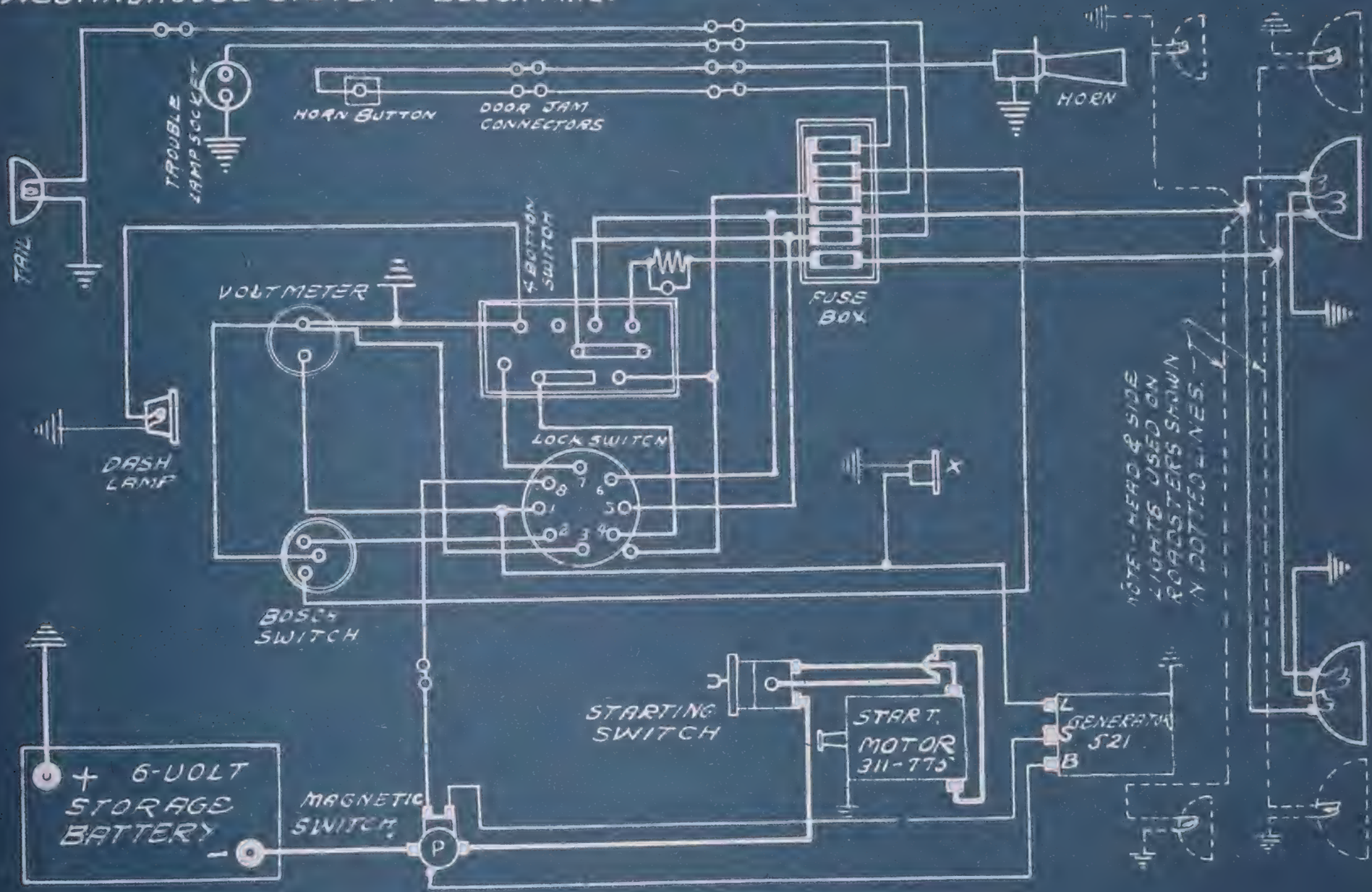
LOCOMOBILE 1913

ADLAKE SYSTEM

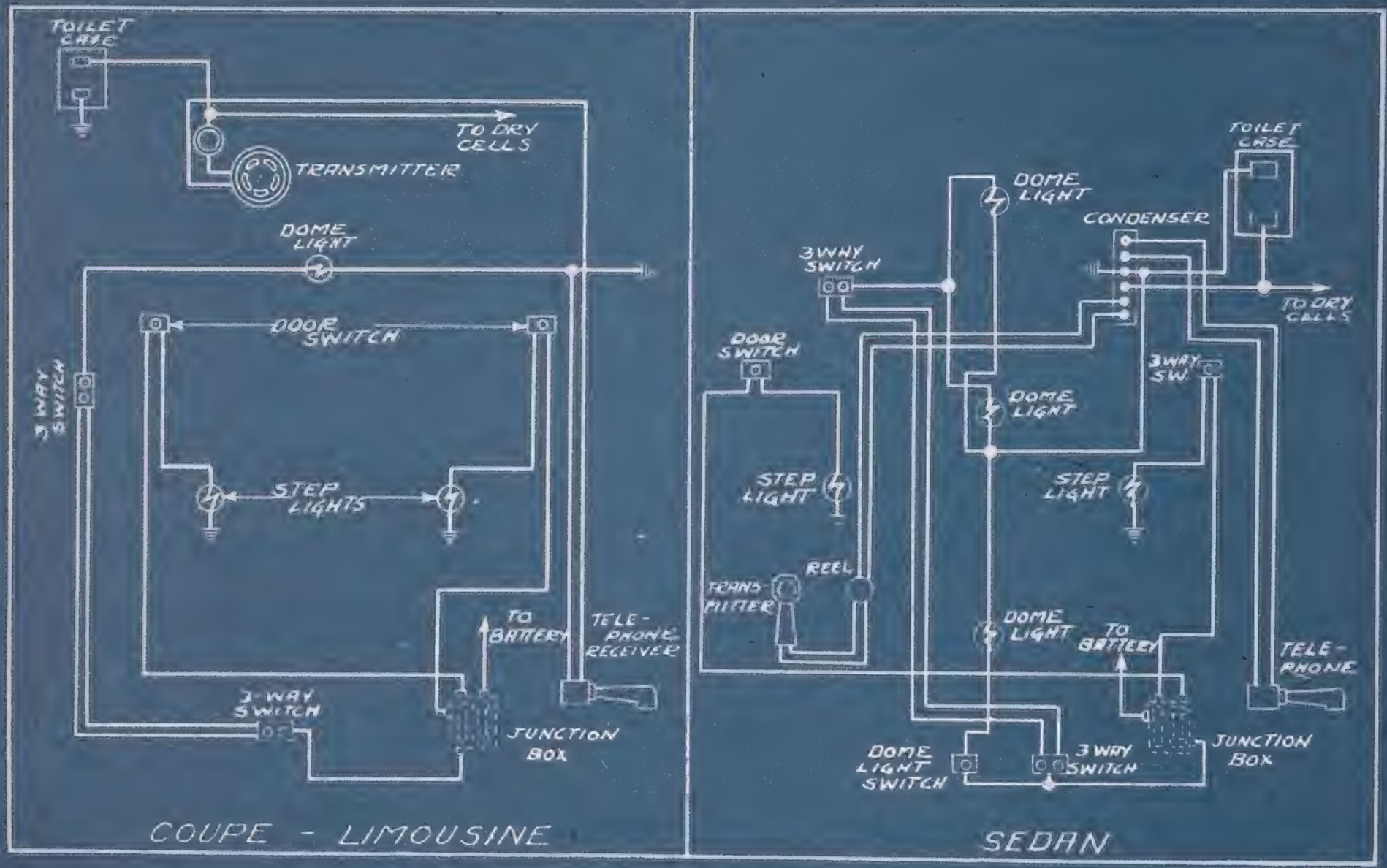


LOCOMOBILE 1915-16 38 & 48

WESTINGHOUSE SYSTEM BOSCH MAG.

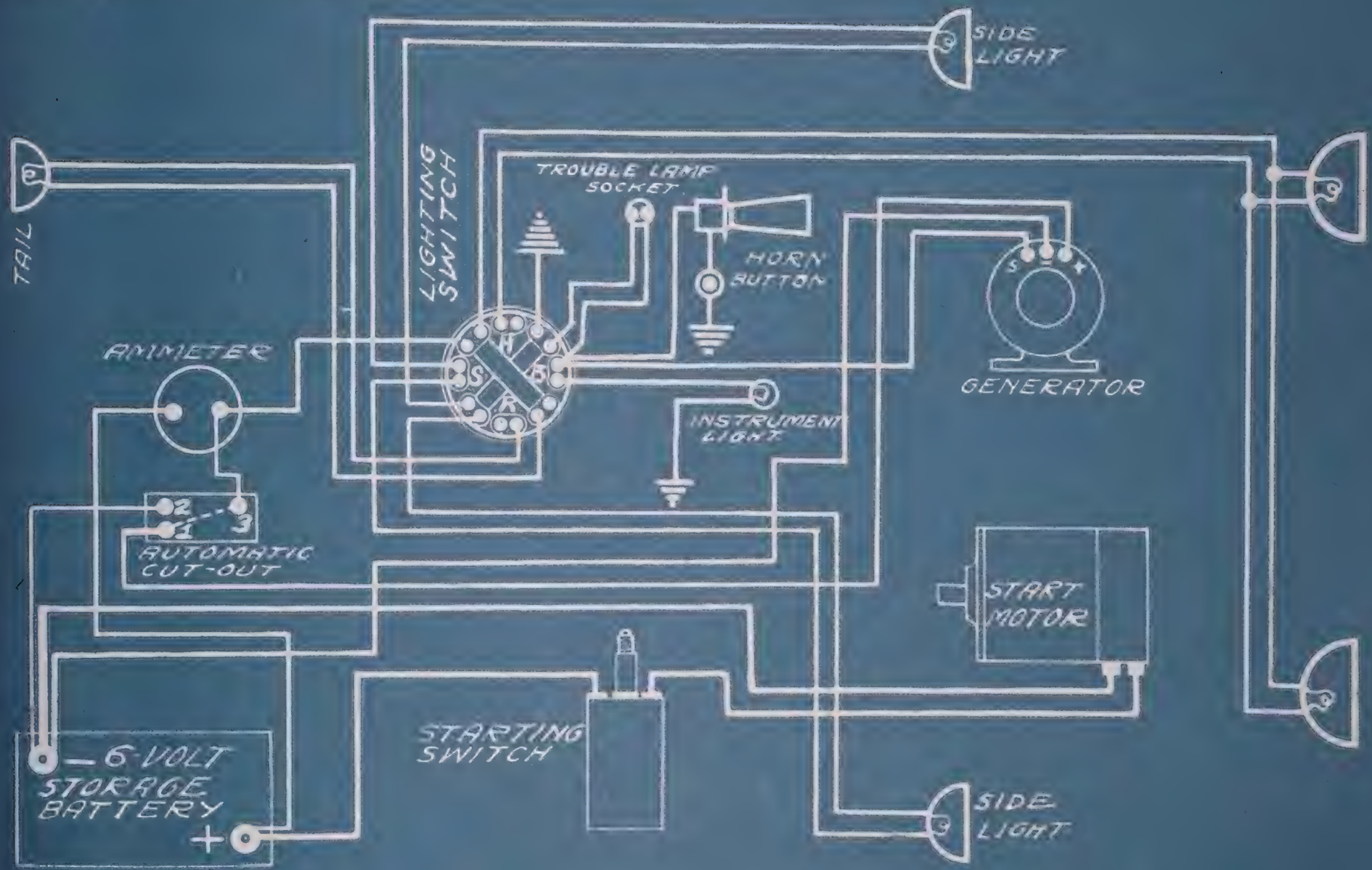


LOCOMOBILE BODY WIRING



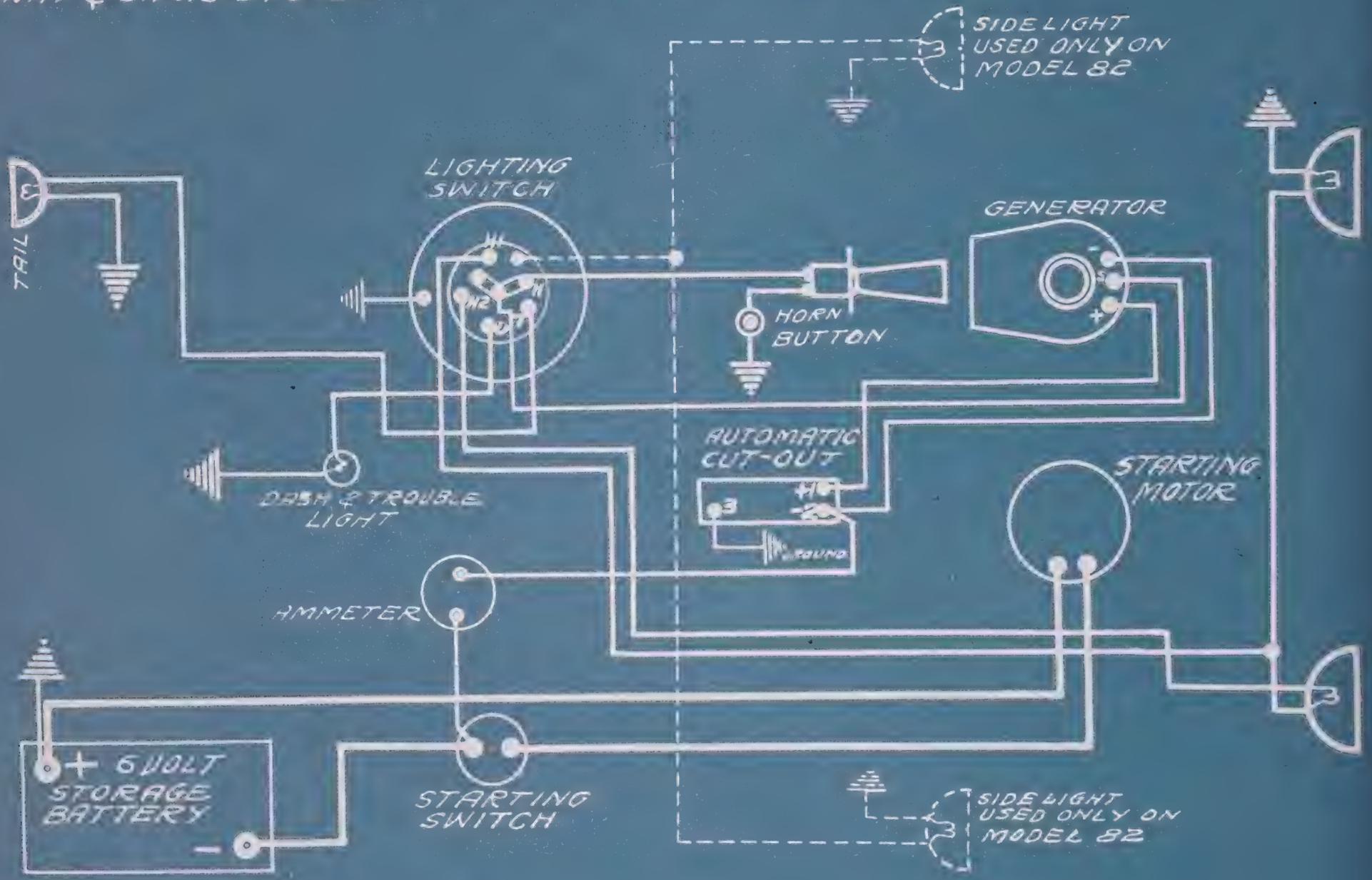
LOZIER 1913-1914 "77"

GRAY & DAVIS SYSTEM

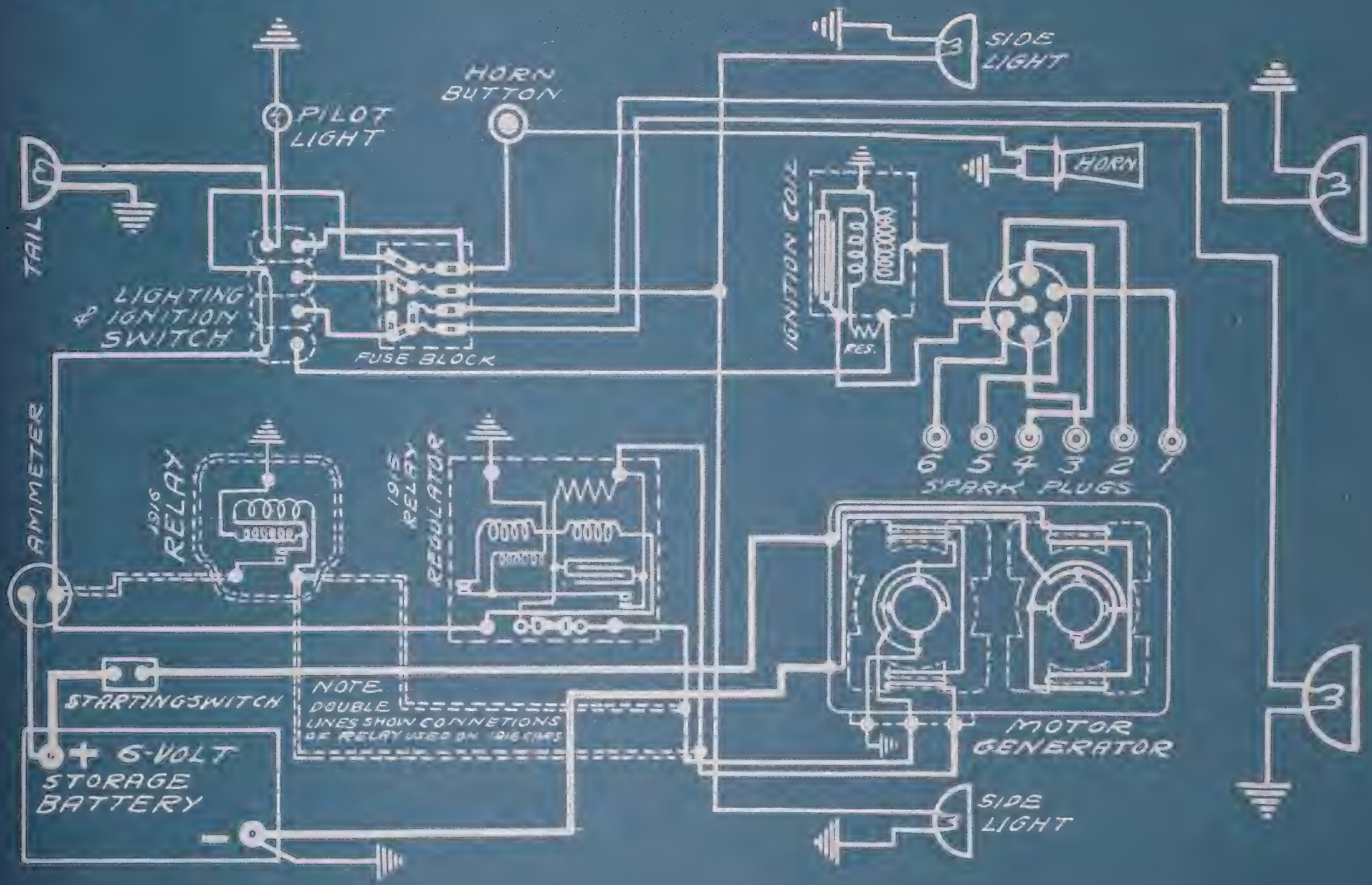


LOZIER 1915-16-17 TYPES 82 & 84

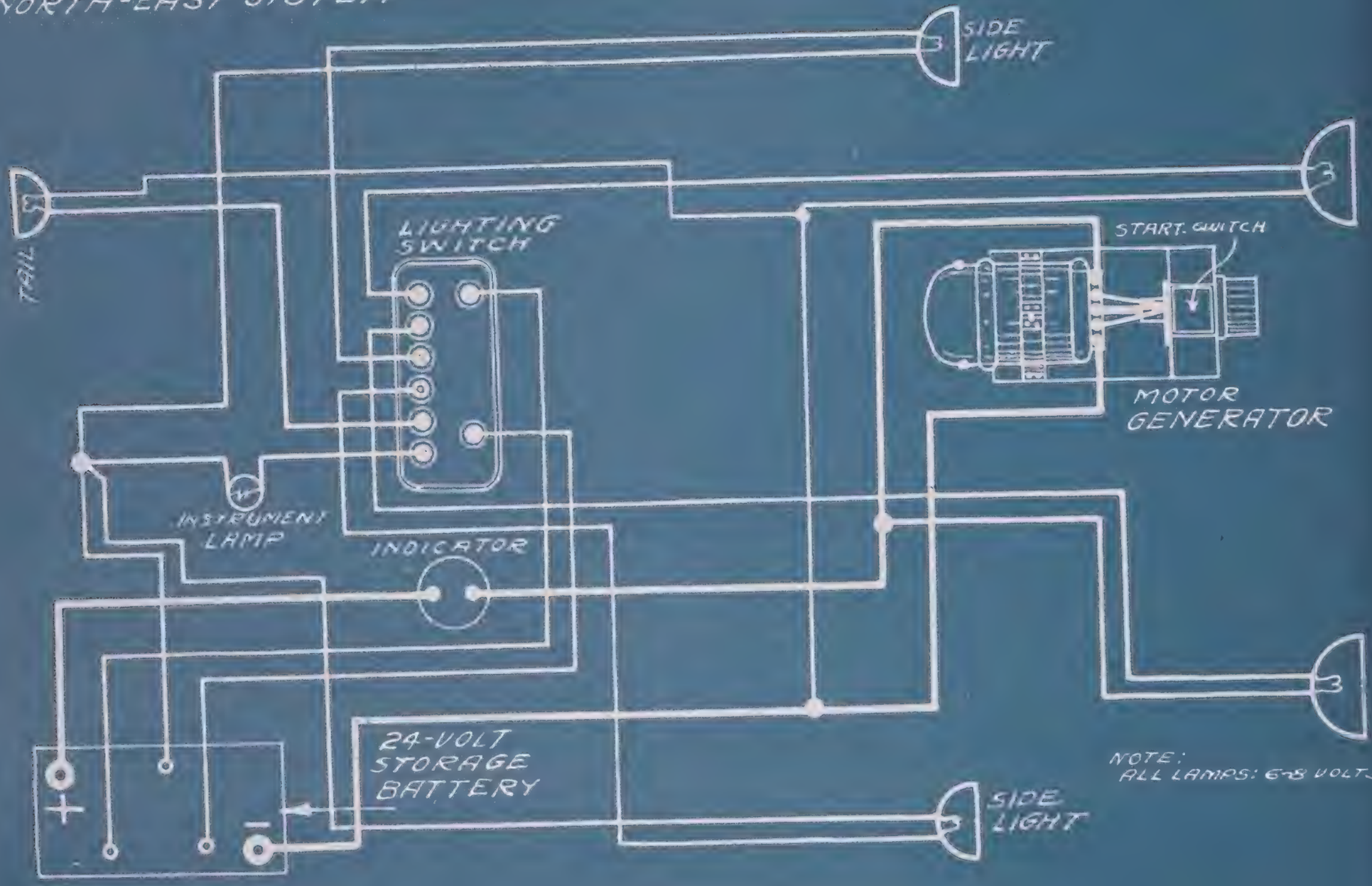
GRAY & DAVIS SYSTEM



L.P.C. 1915-1916
REMY SYSTEM

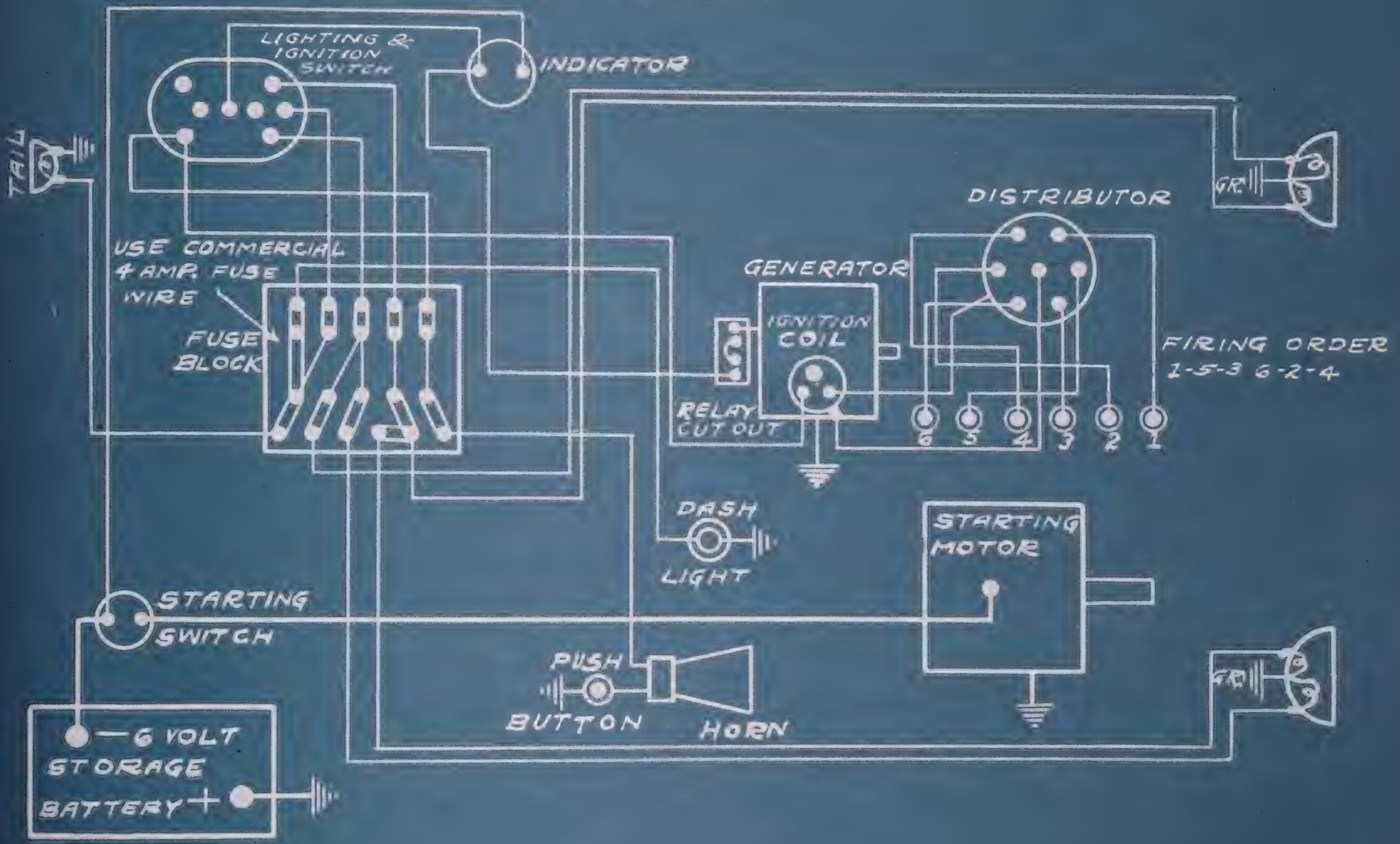


LYONS-KNIGHT 1914
NORTH-EAST SYSTEM

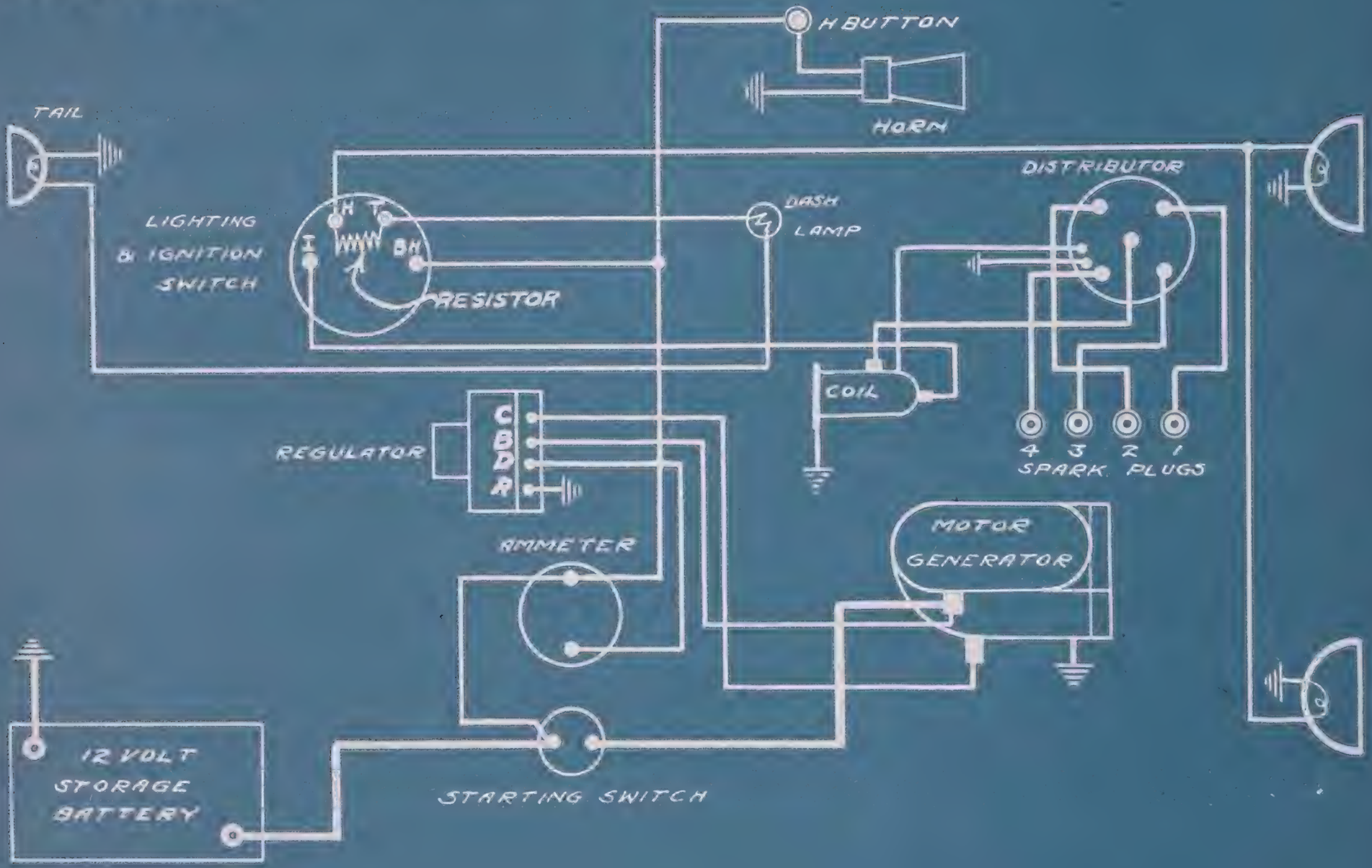


MADISON 1916-17-18

REMY SYSTEM USED ONG & 8 CYLINDER CARS

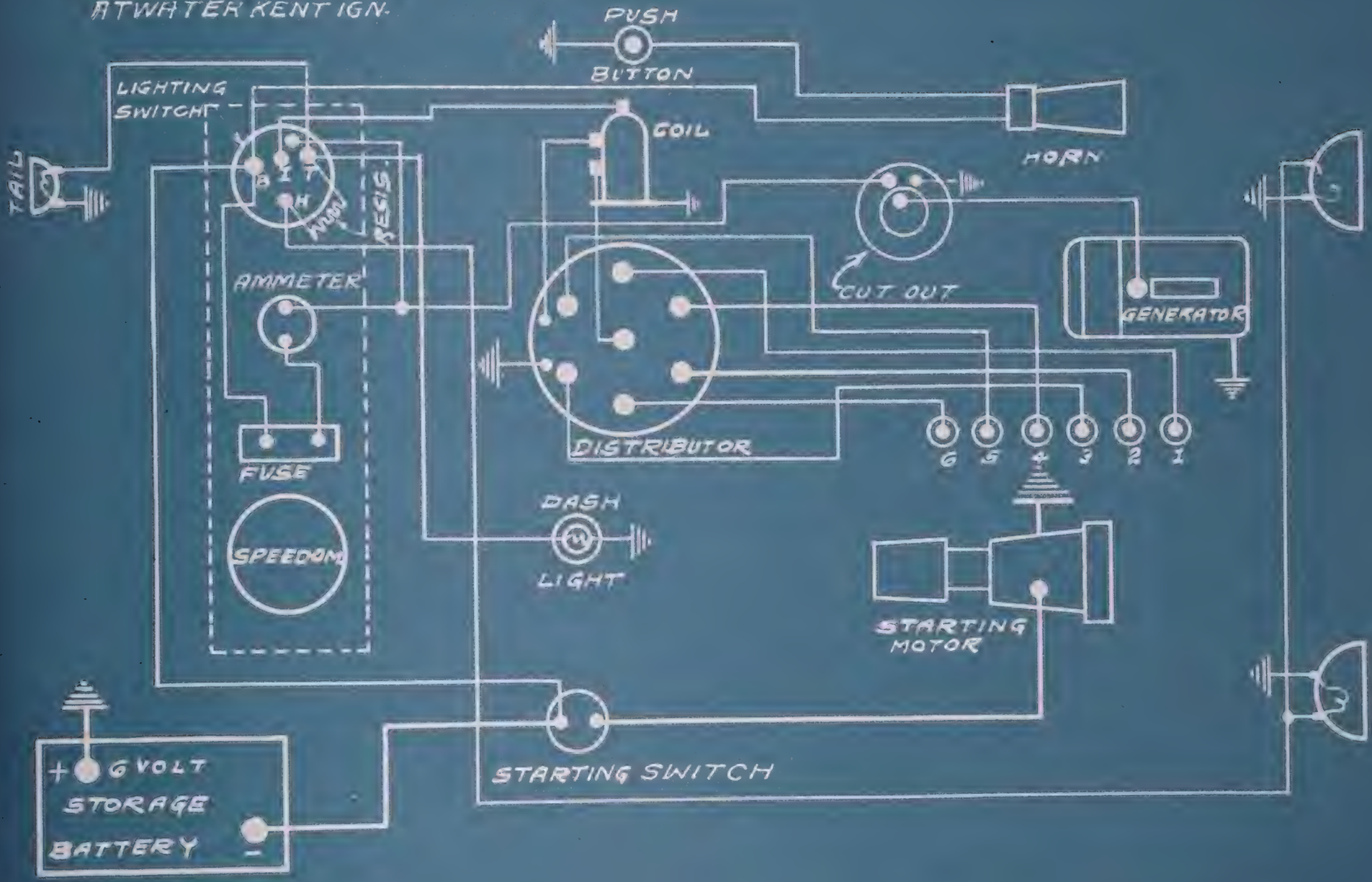


MAIBOHM 1917 -A-
DISCO SYSTEM



MAIBOHM 1918 "B"

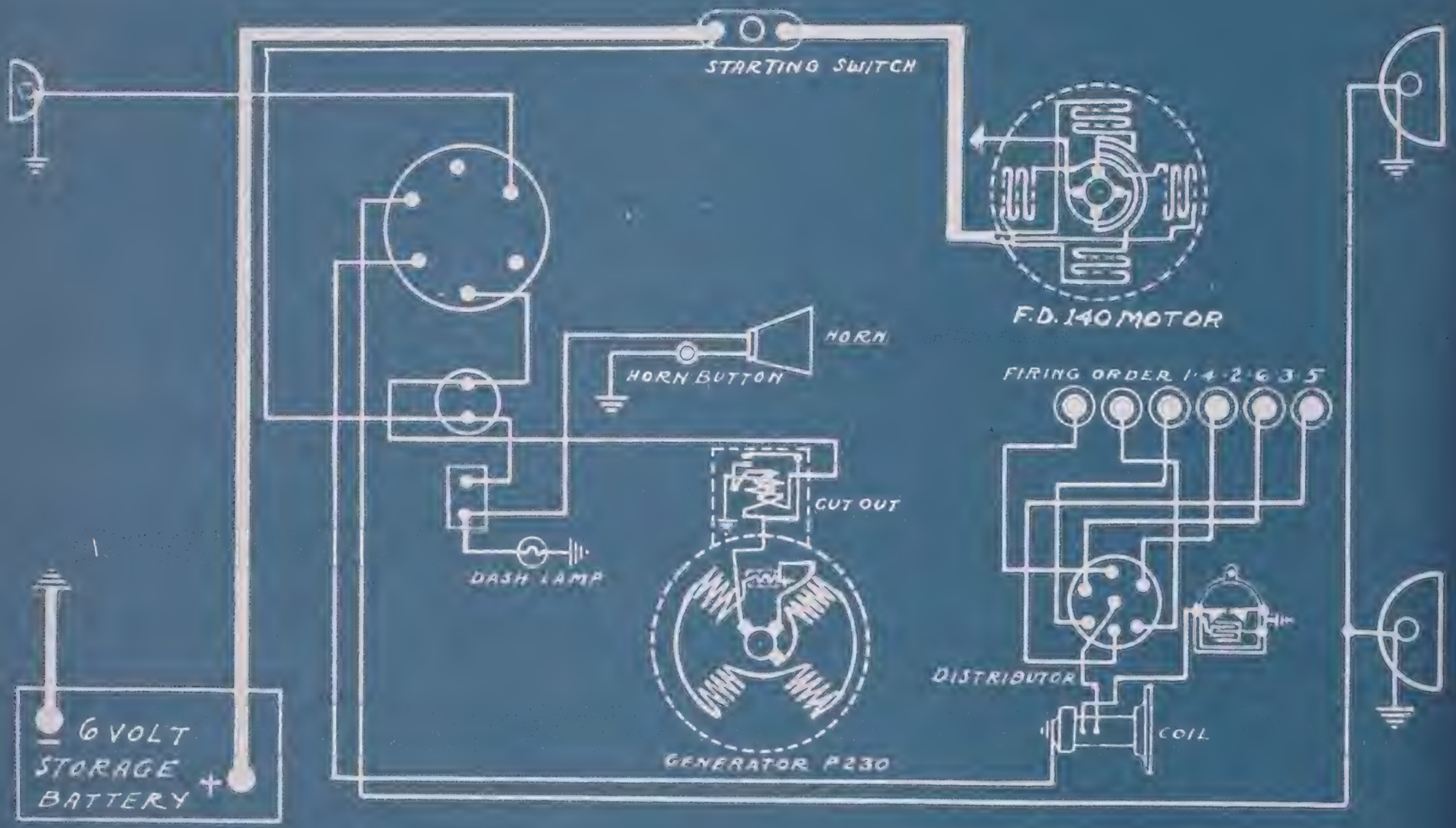
WAGNER SYSTEM
ATWATER KENT IGN.



MAIBOHM 1920-1921-1922

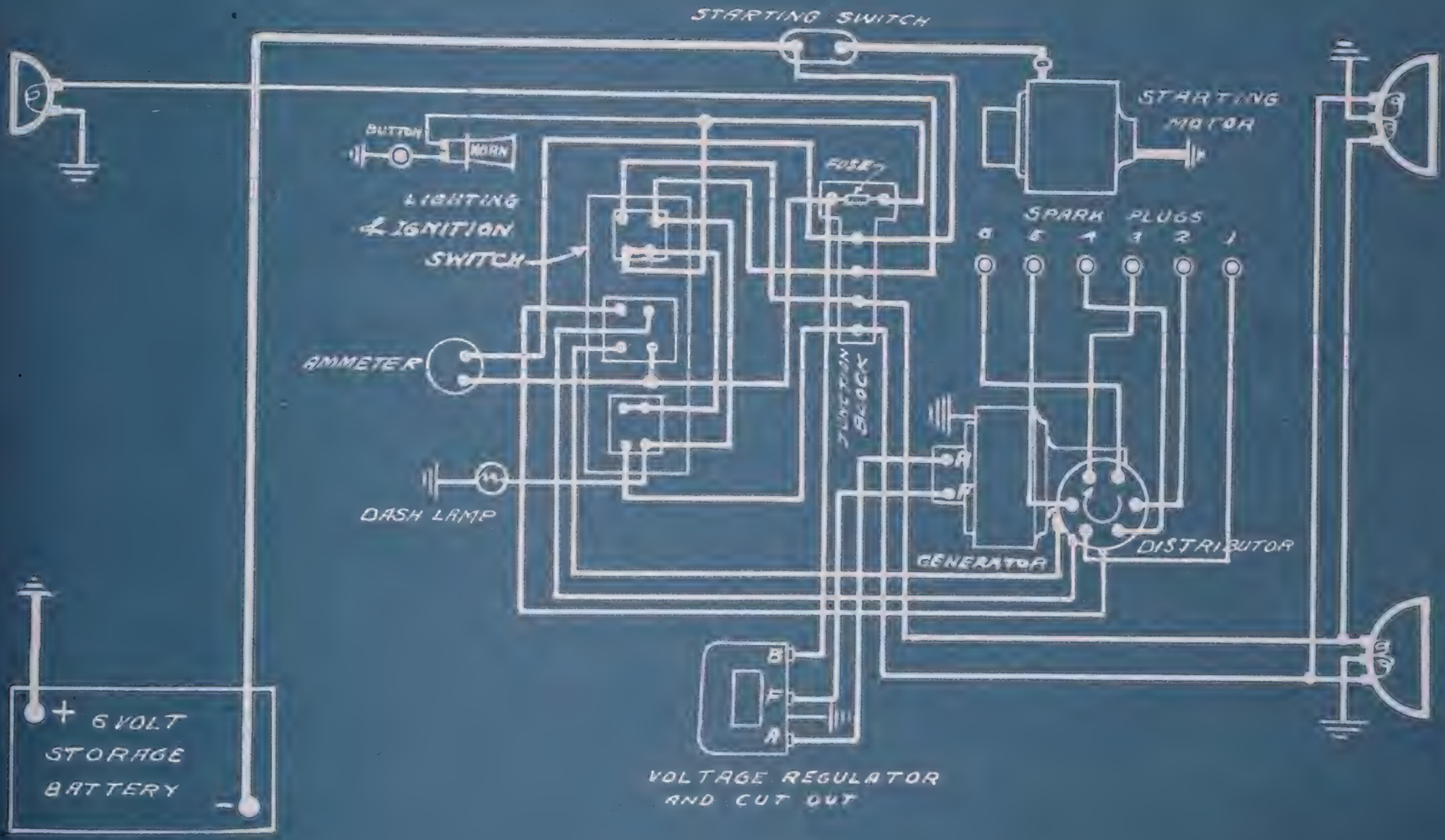
BIJUR SYSTEM

ATWATER KENT IGN.

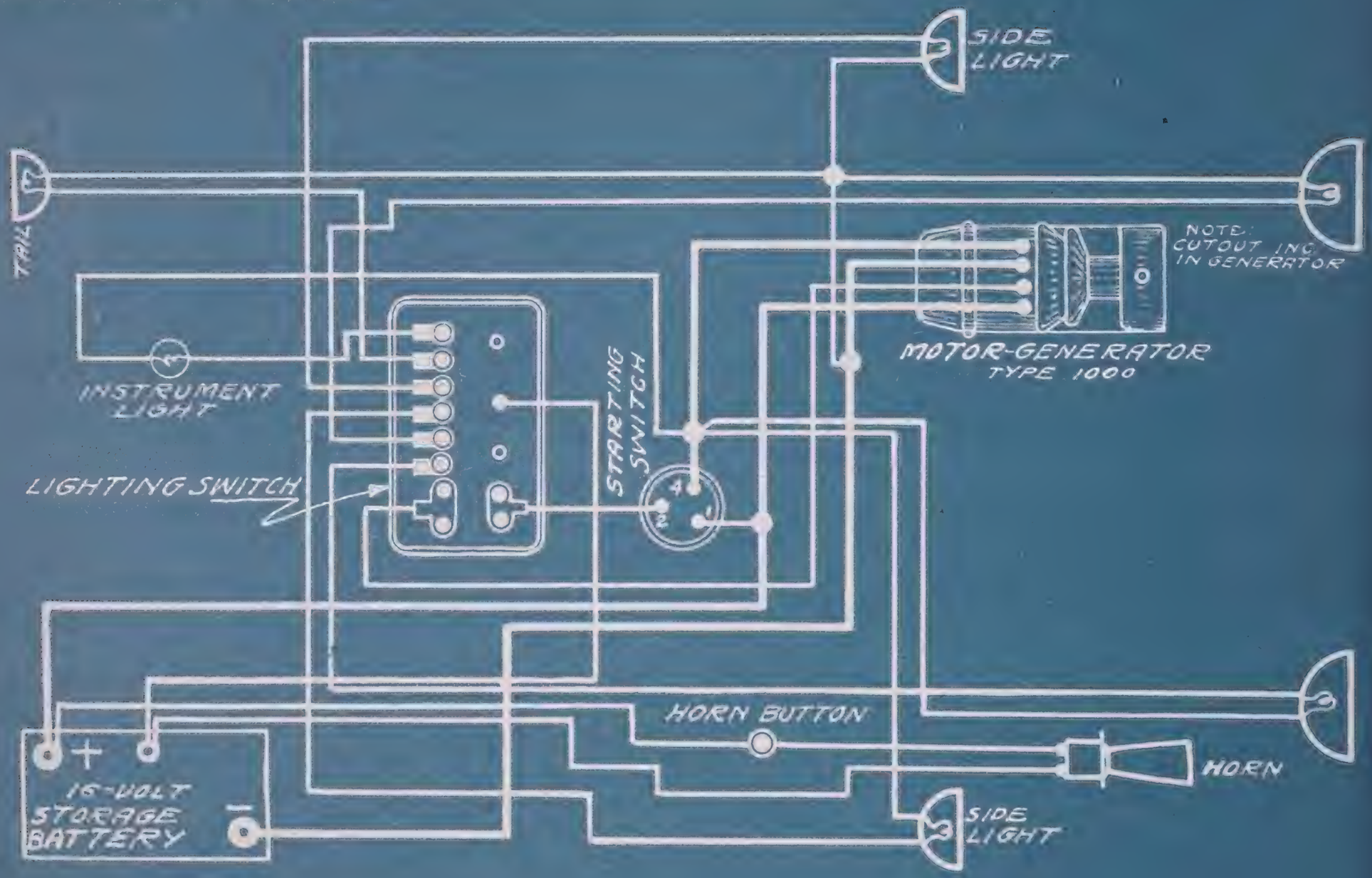


MARION-HANDLEY 1916-K - 1917 A-B

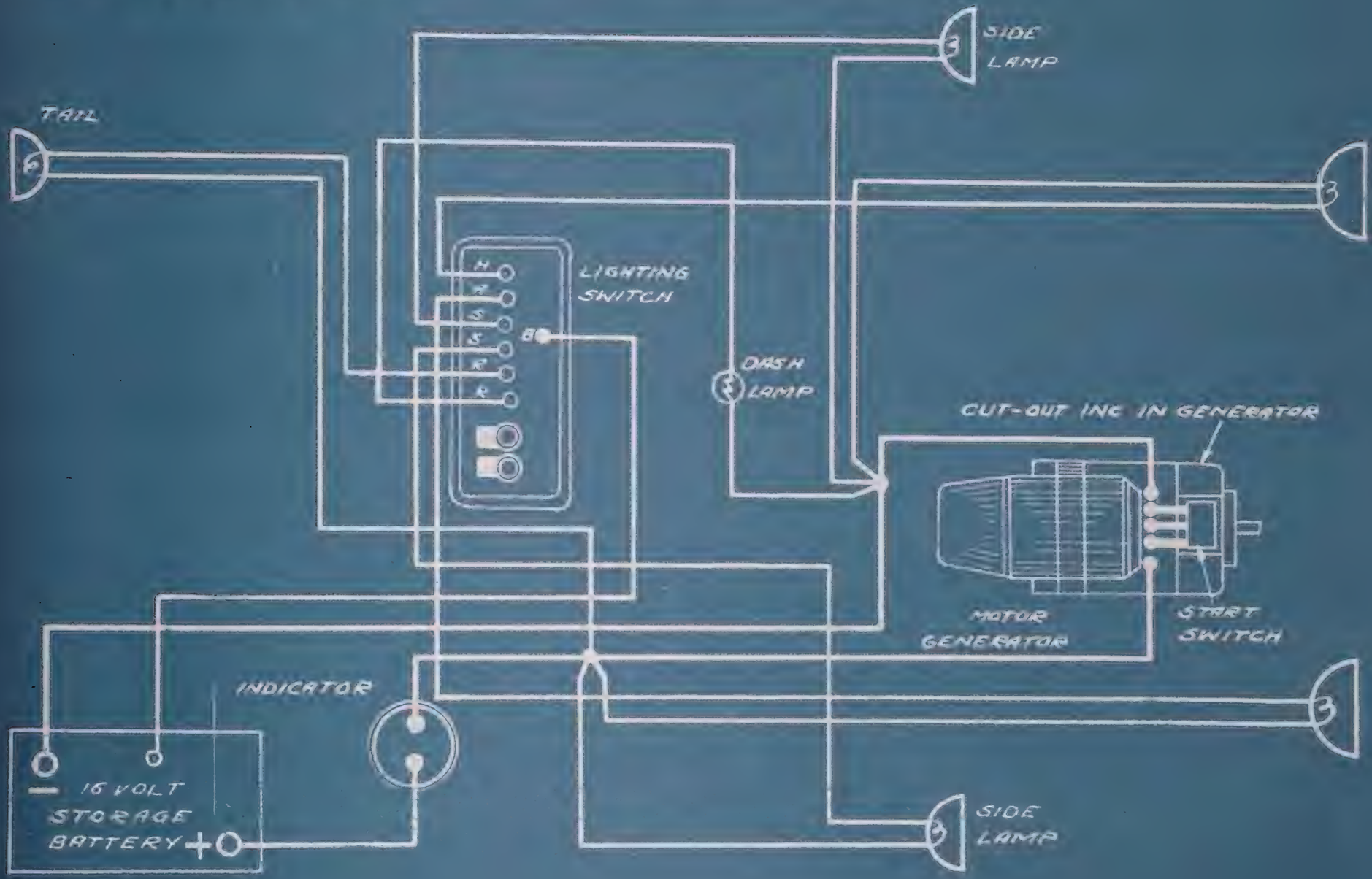
WESTINGHOUSE SYSTEM



MARMON 1913 "32-4"
NORTH-EAST SYSTEM

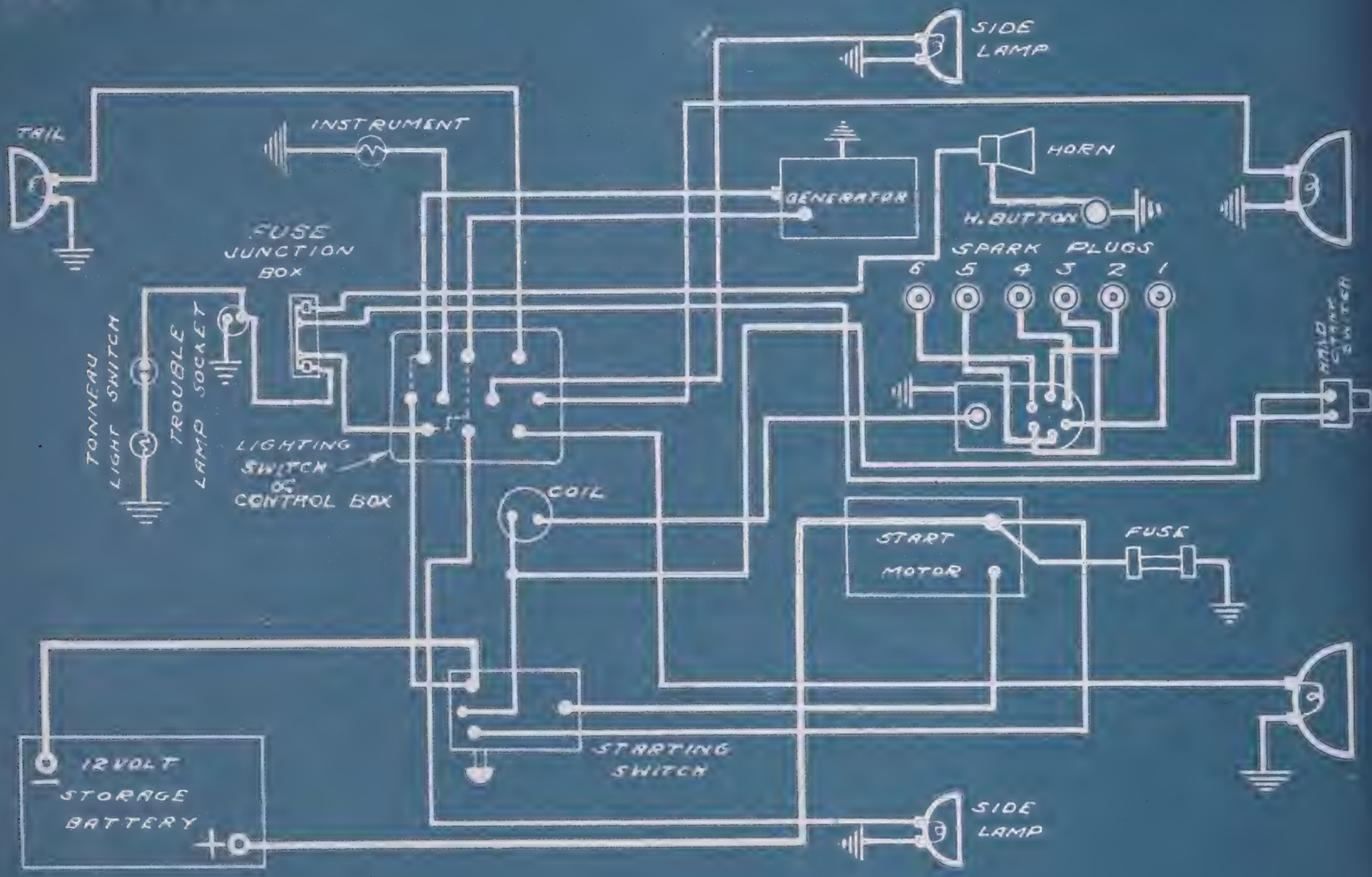


MARMON 1913 48 1914 41 & 48
NORTH-EAST SYSTEM



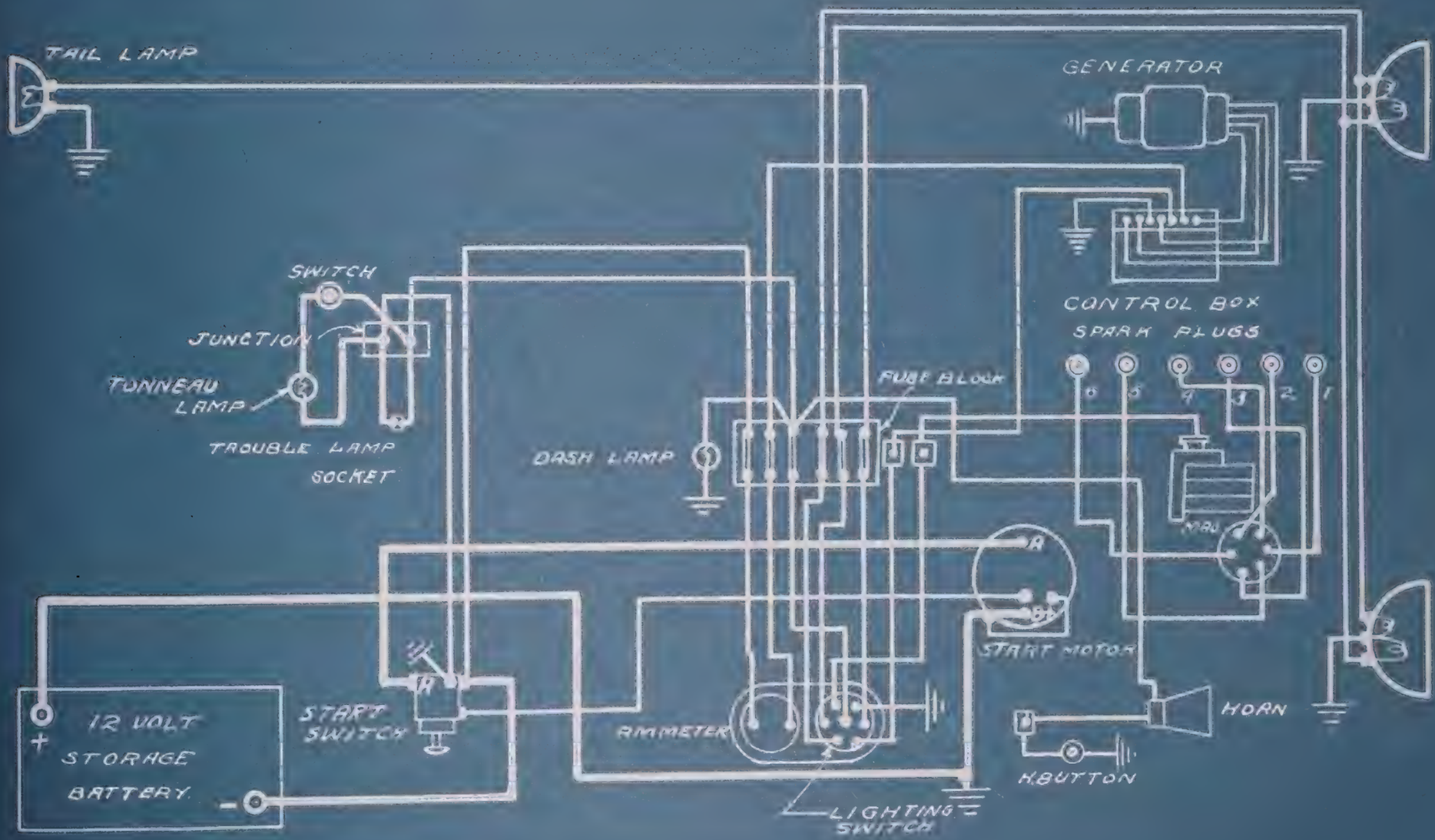
MARMON 1915 -41-

BOSCH SYSTEM



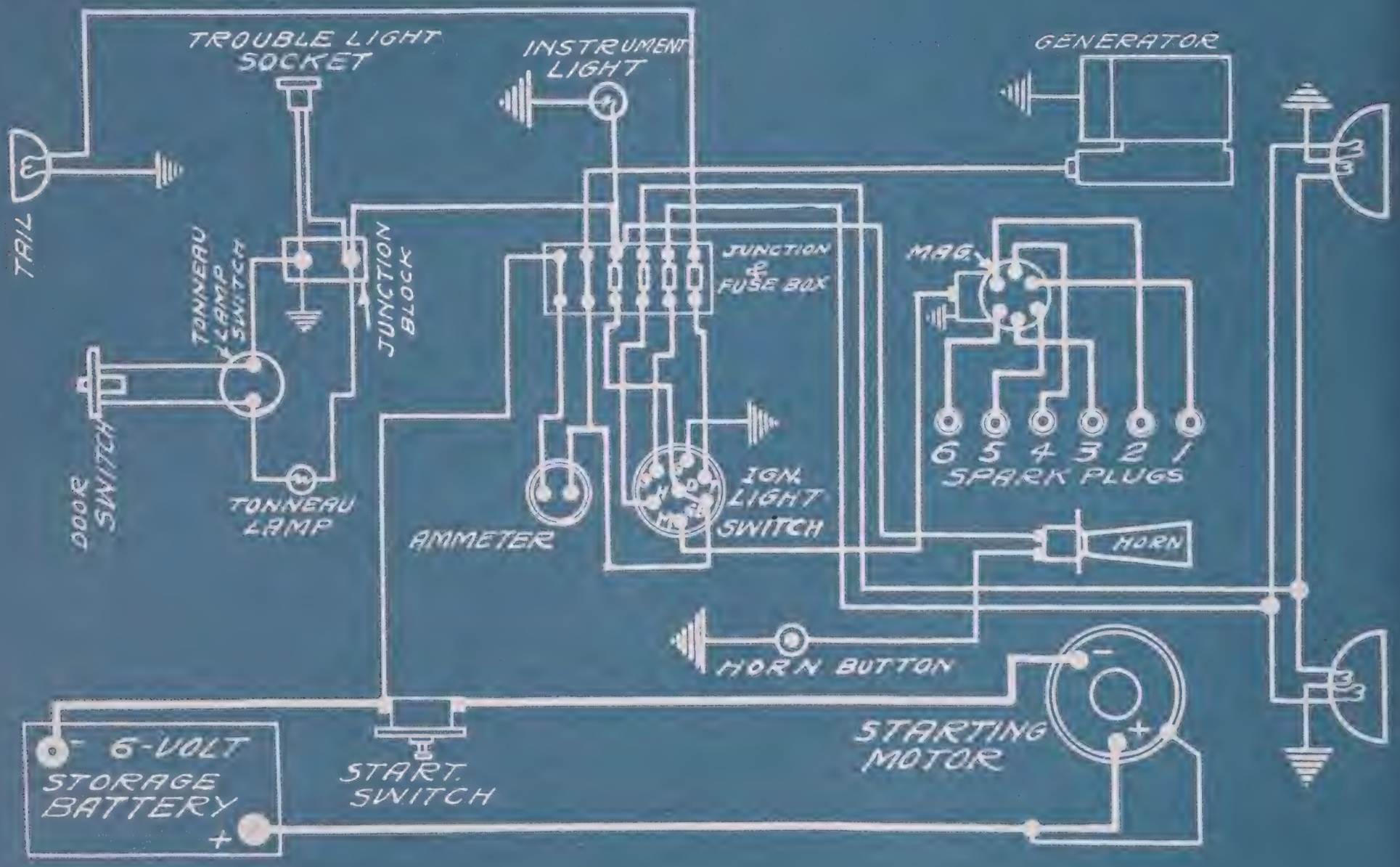
MARMON 34 1916-1917

BOSCH SYSTEM



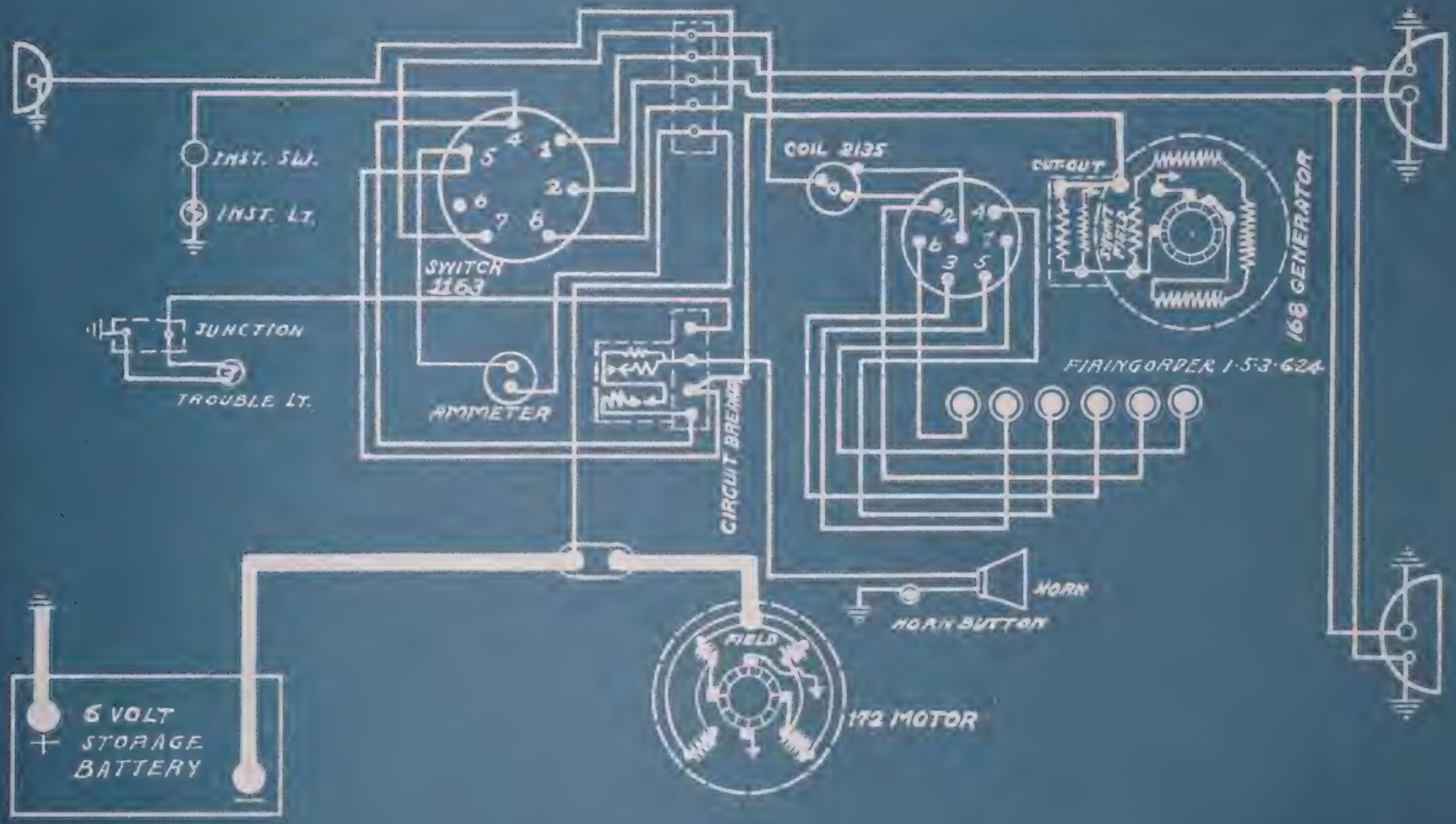
MARMON 1916-1917-1918-1919 "34"

BIJUR SYSTEM



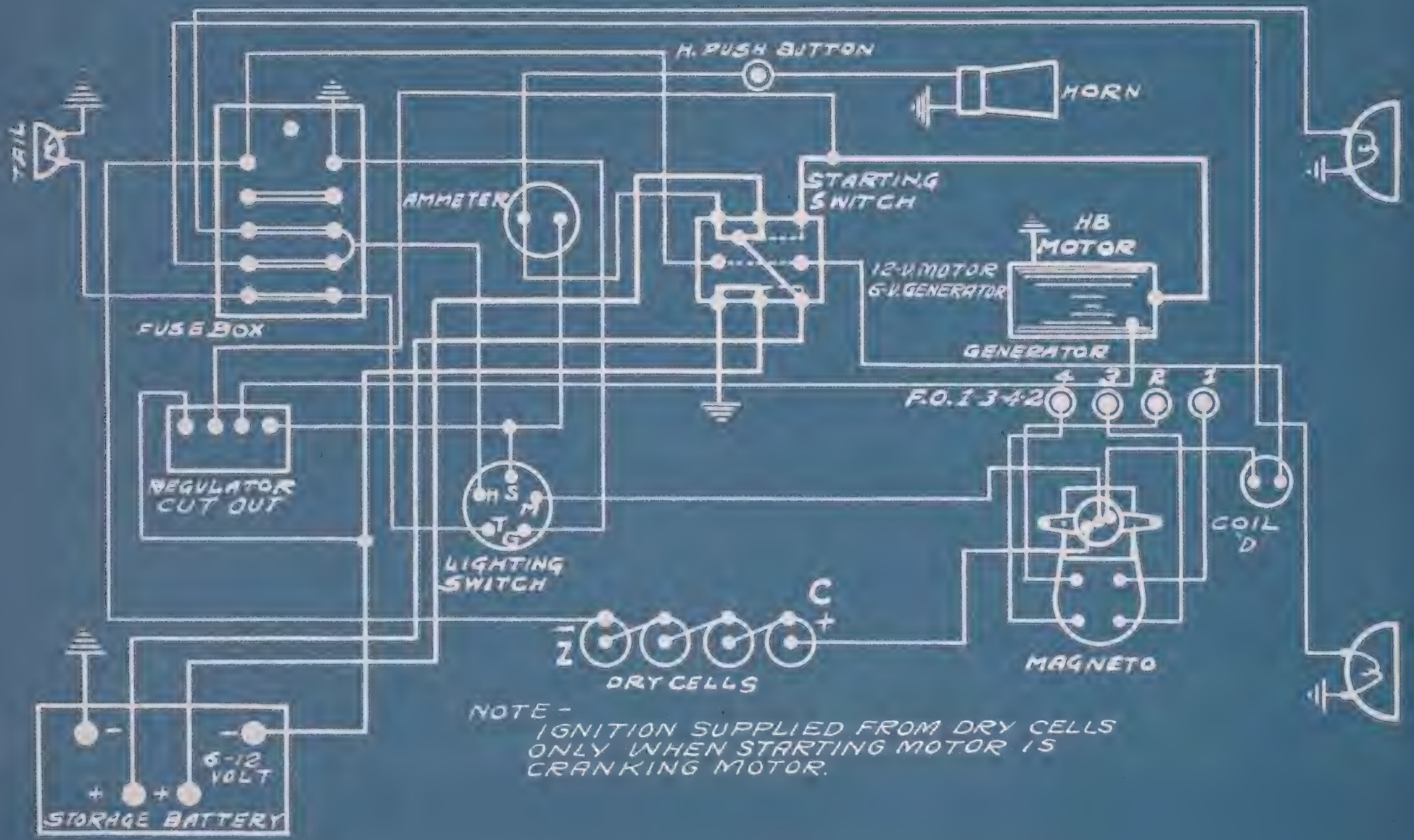
MARMON "34B" 1920-1921-1922

DELCO SYSTEM



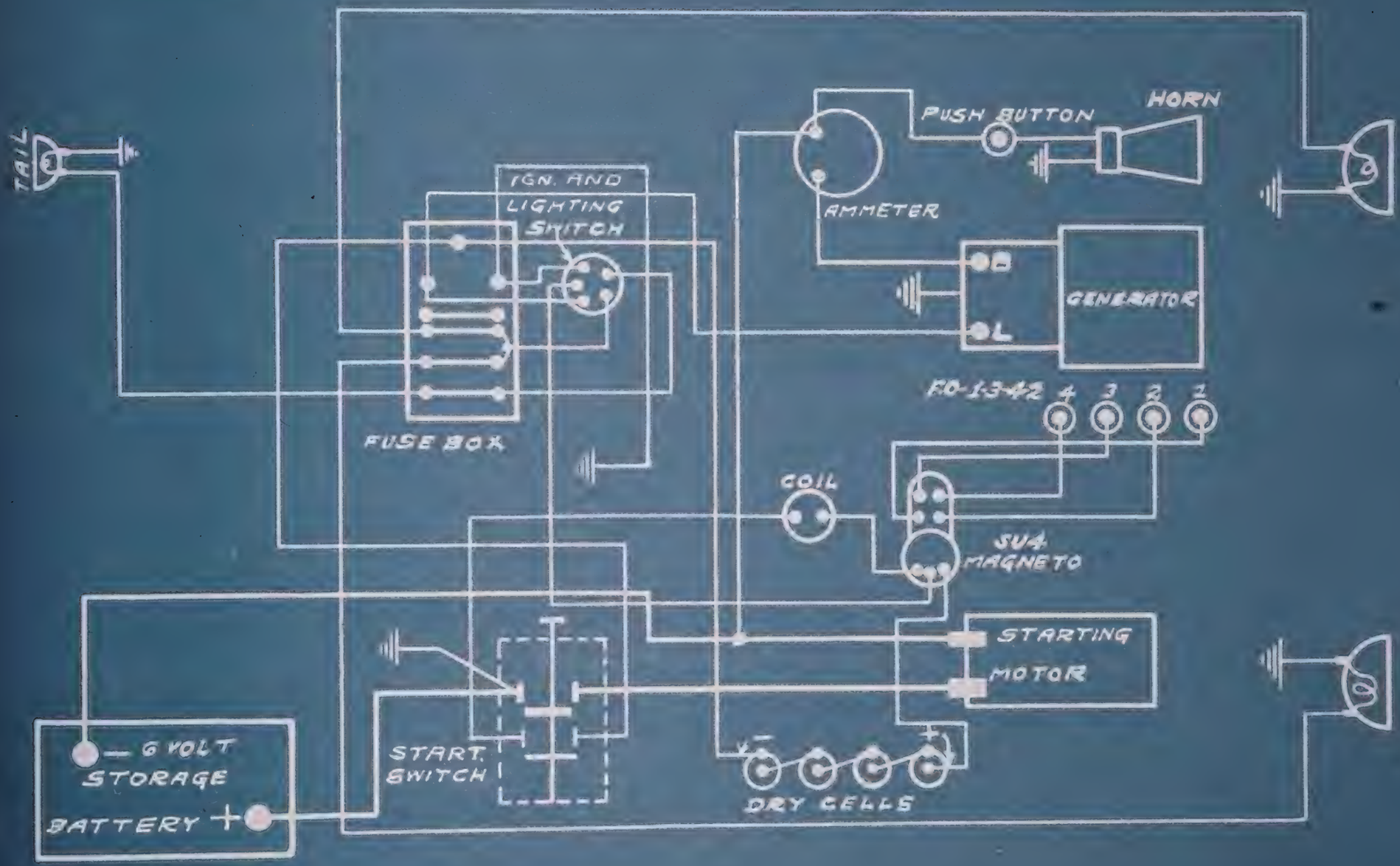
MAXWELL 1914-15

SIMMS-HUFF SYSTEM



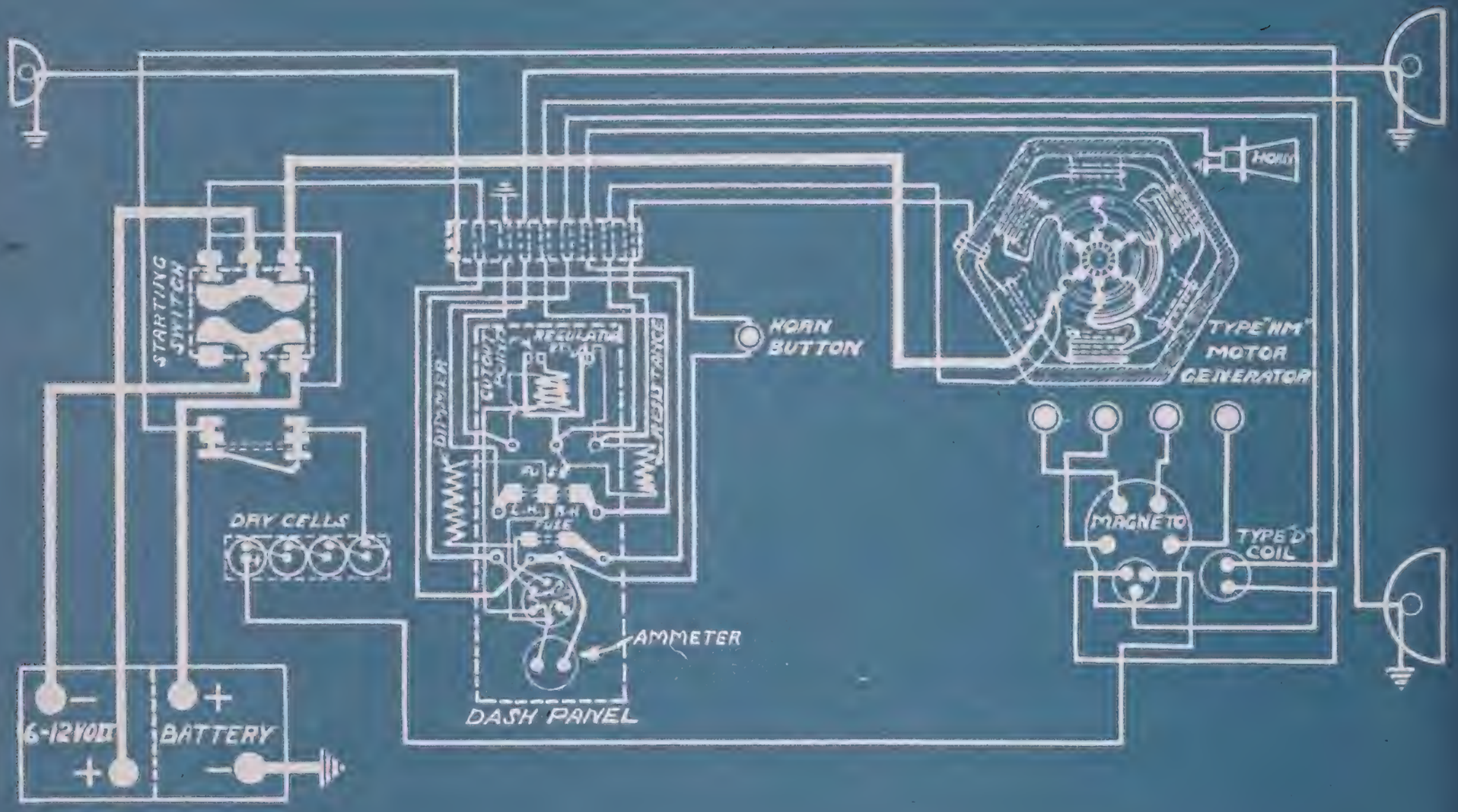
NOTE-
IGNITION SUPPLIED FROM DRY CELLS ONLY WHEN STARTING MOTOR IS CRANKING MOTOR.

MAXWELL 1915
GRAY & DAVIS SYSTEM



MAXWELL 1916-17

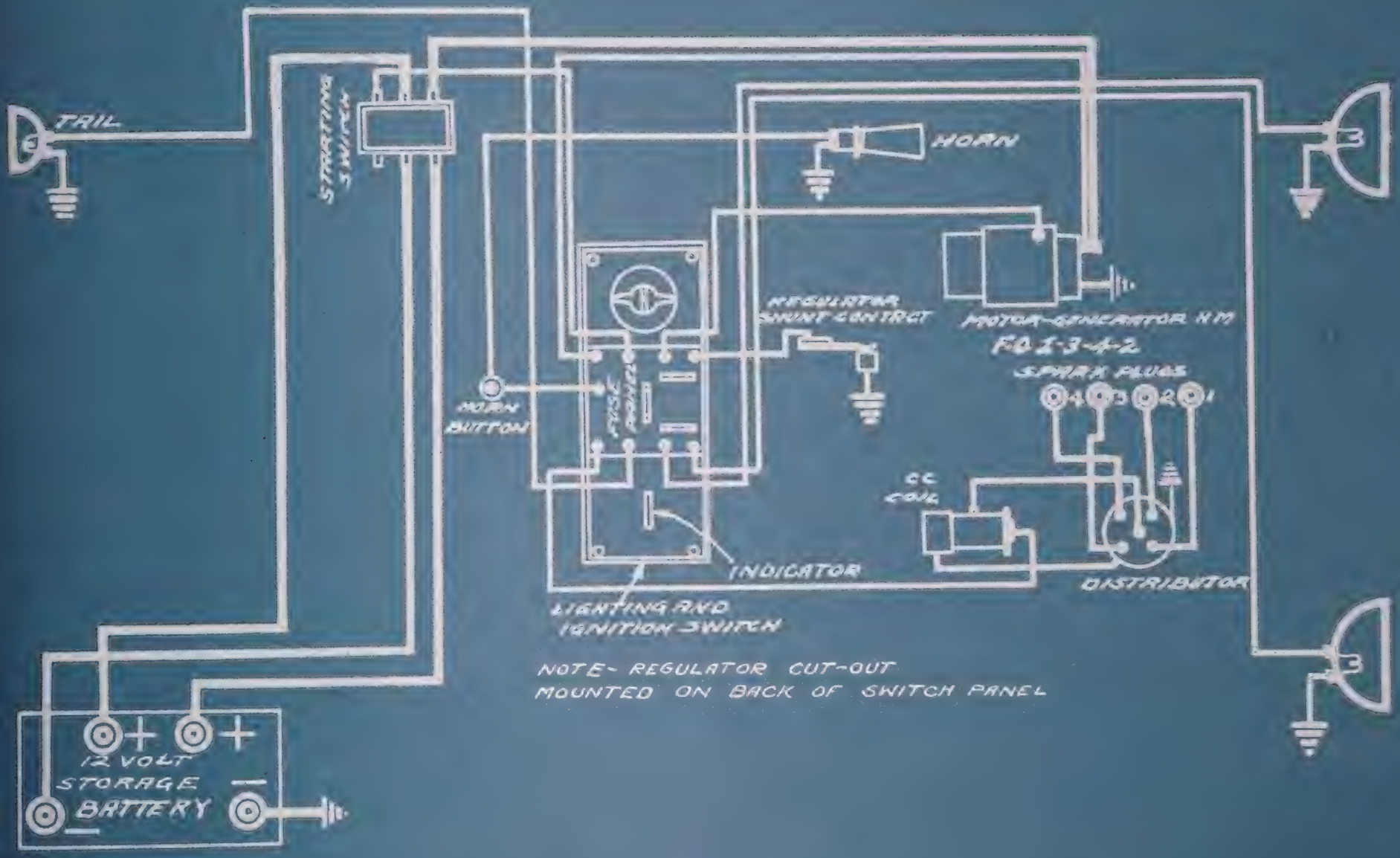
SIMMS-HUFF SYSTEM



MAXWELL 1917 MODEL 25

SIMMS-HUFF SYSTEM

ATWATER KENT IGN.

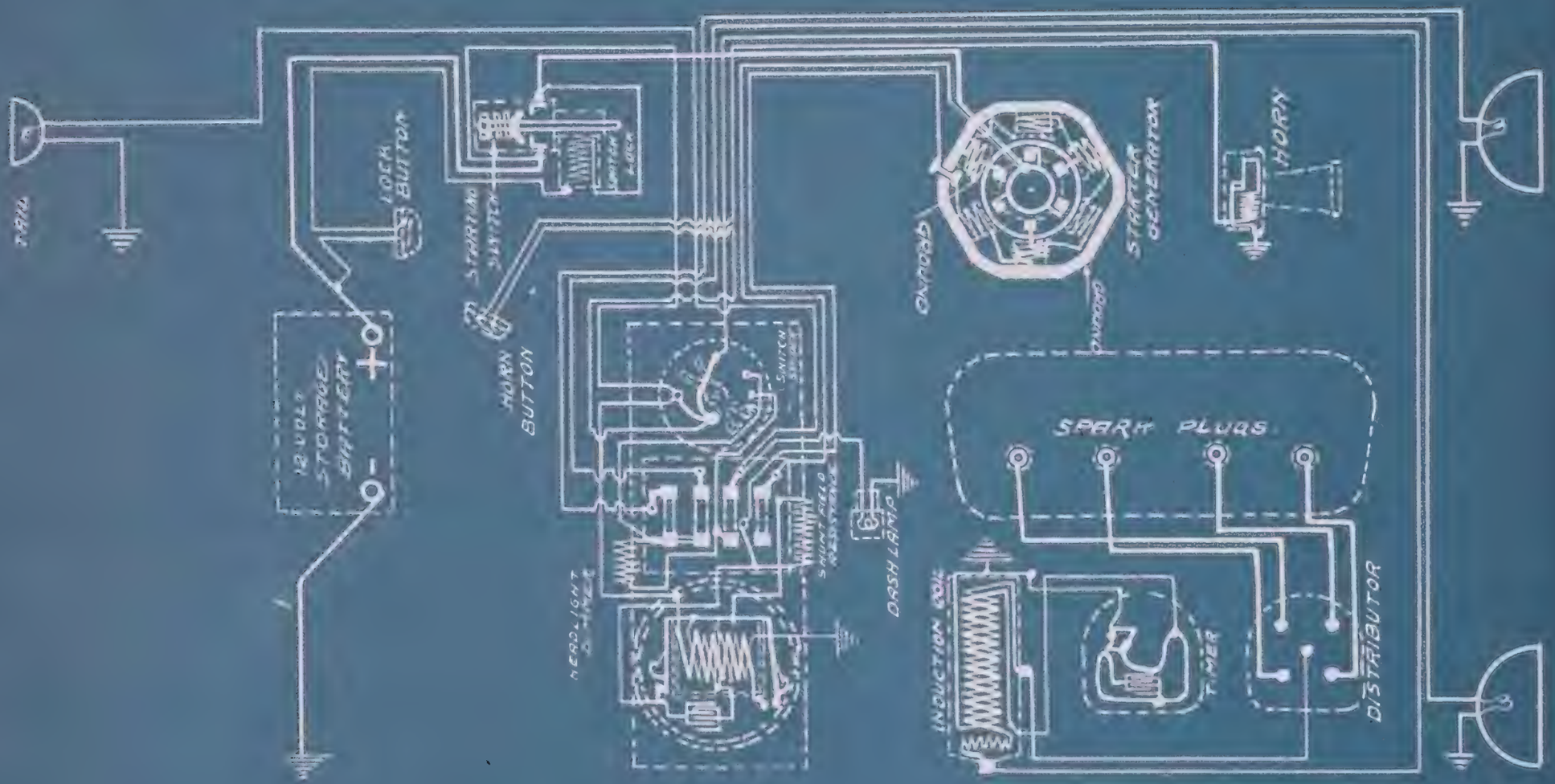


NOTE- REGULATOR CUT-OUT
MOUNTED ON BACK OF SWITCH PANEL

MAXWELL 1918-1919 "25"

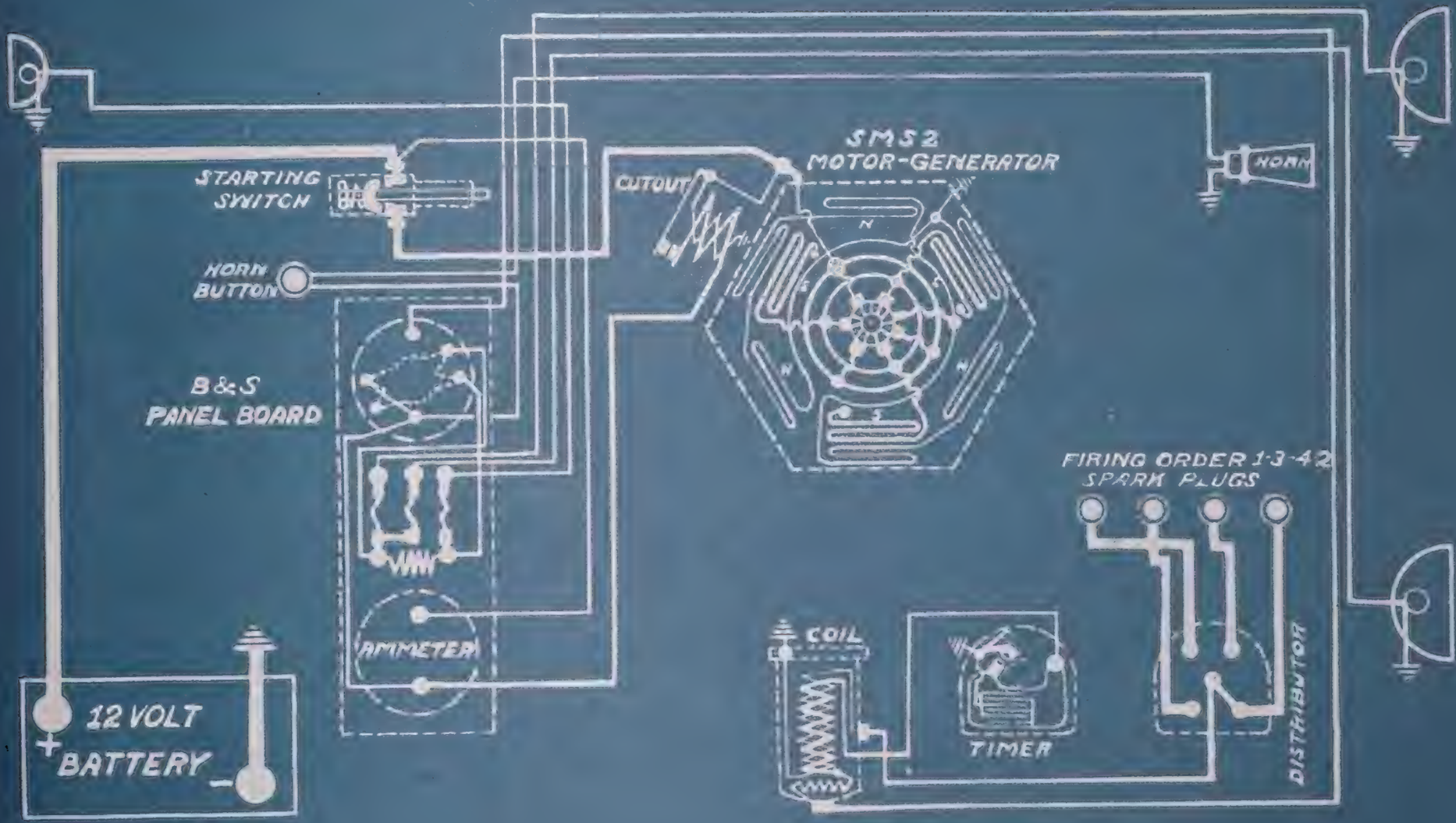
SIMMS-HUFF SYSTEM

ATWATER-KENT IGN.



MAXWELL "25" 1919

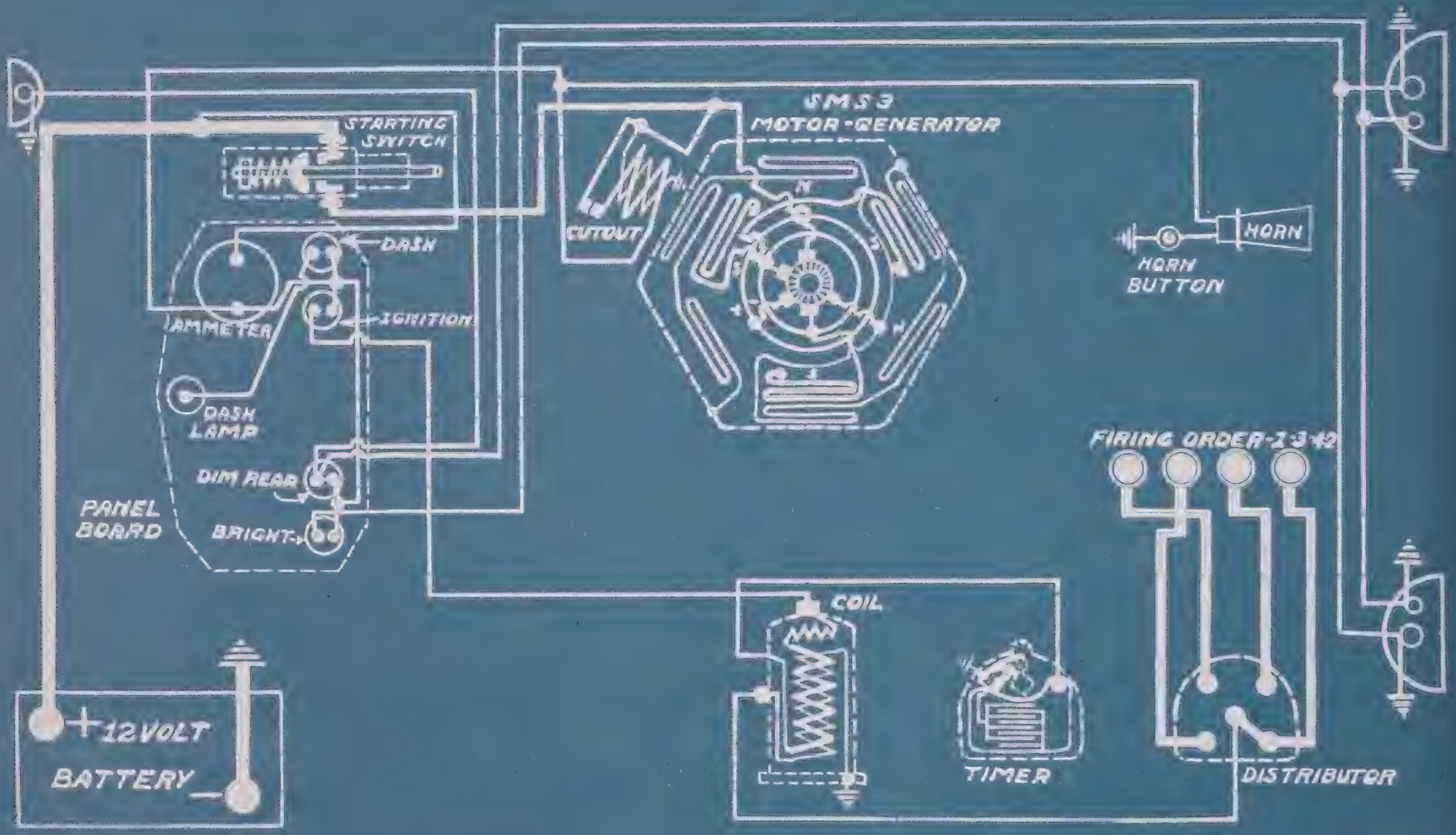
SIMMS-HUFF SYSTEM
ATWATER-KENT IGN.



MAXWELL "25" 1920

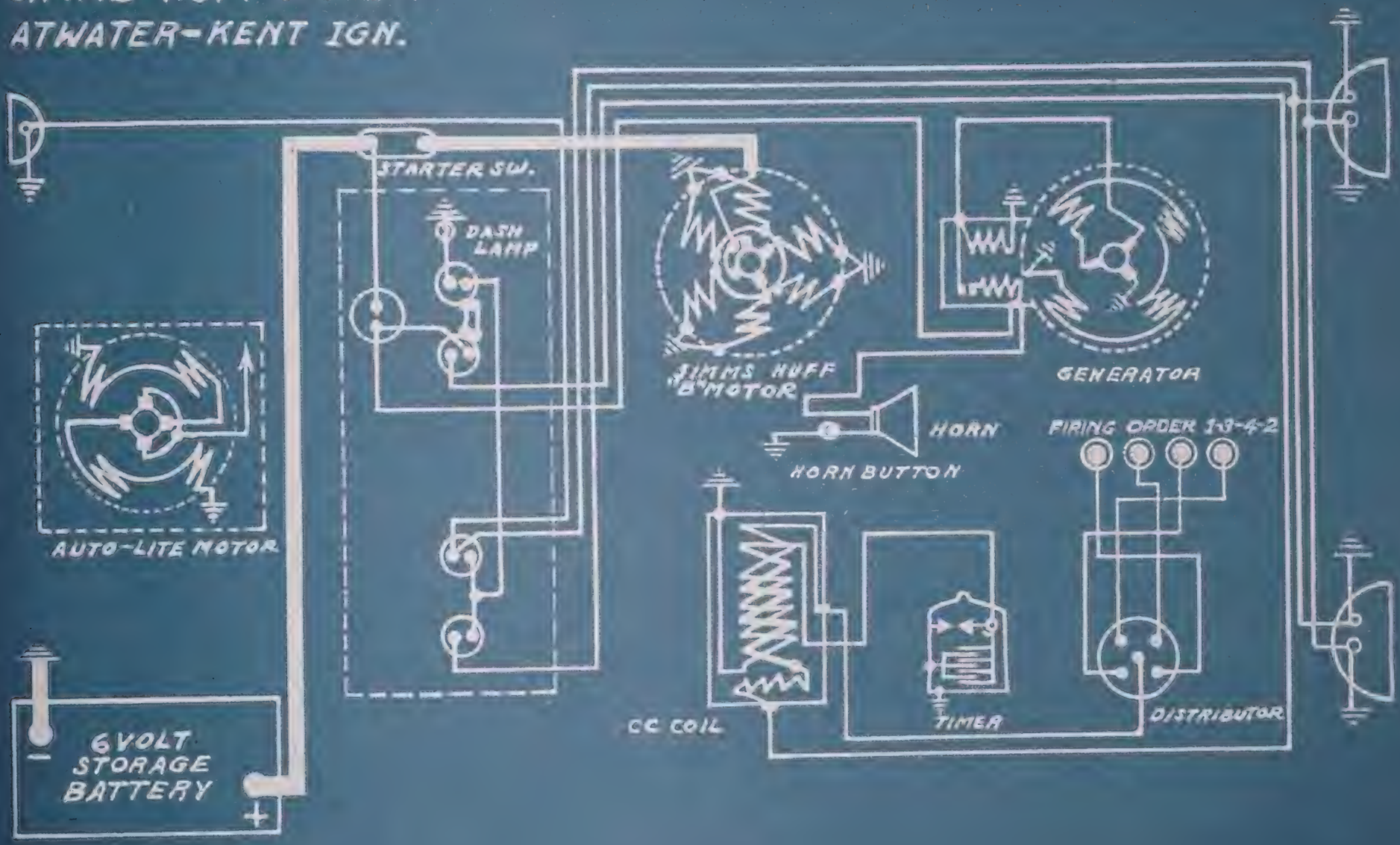
SIMMS-HUFF SYSTEM

ATWATER-KENT IGN.

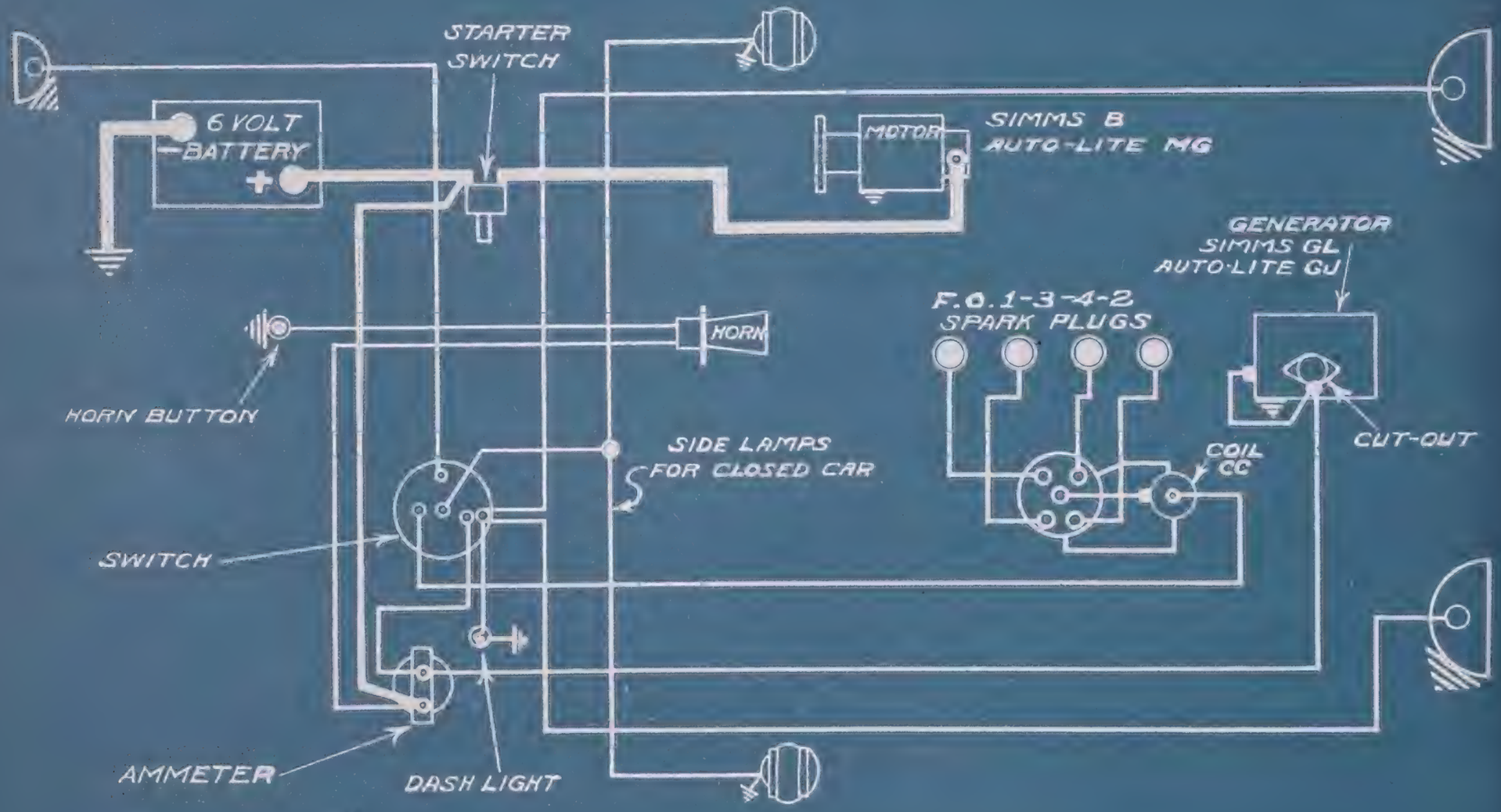


MAXWELL "25" 1920-1921

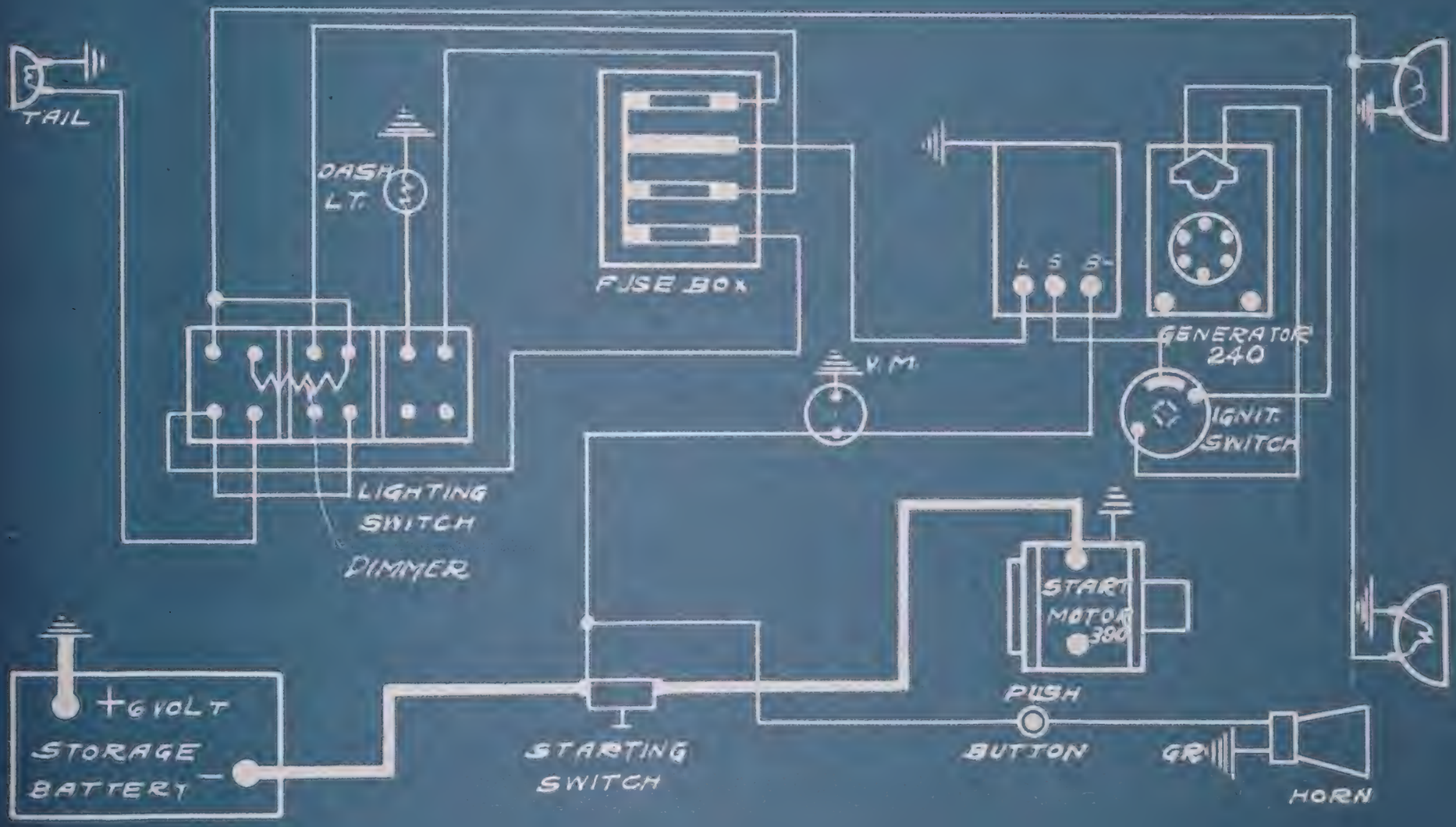
AUTO-LITE OR
SIMMS-HUFF SYSTEM
ATWATER-KENT IGN.



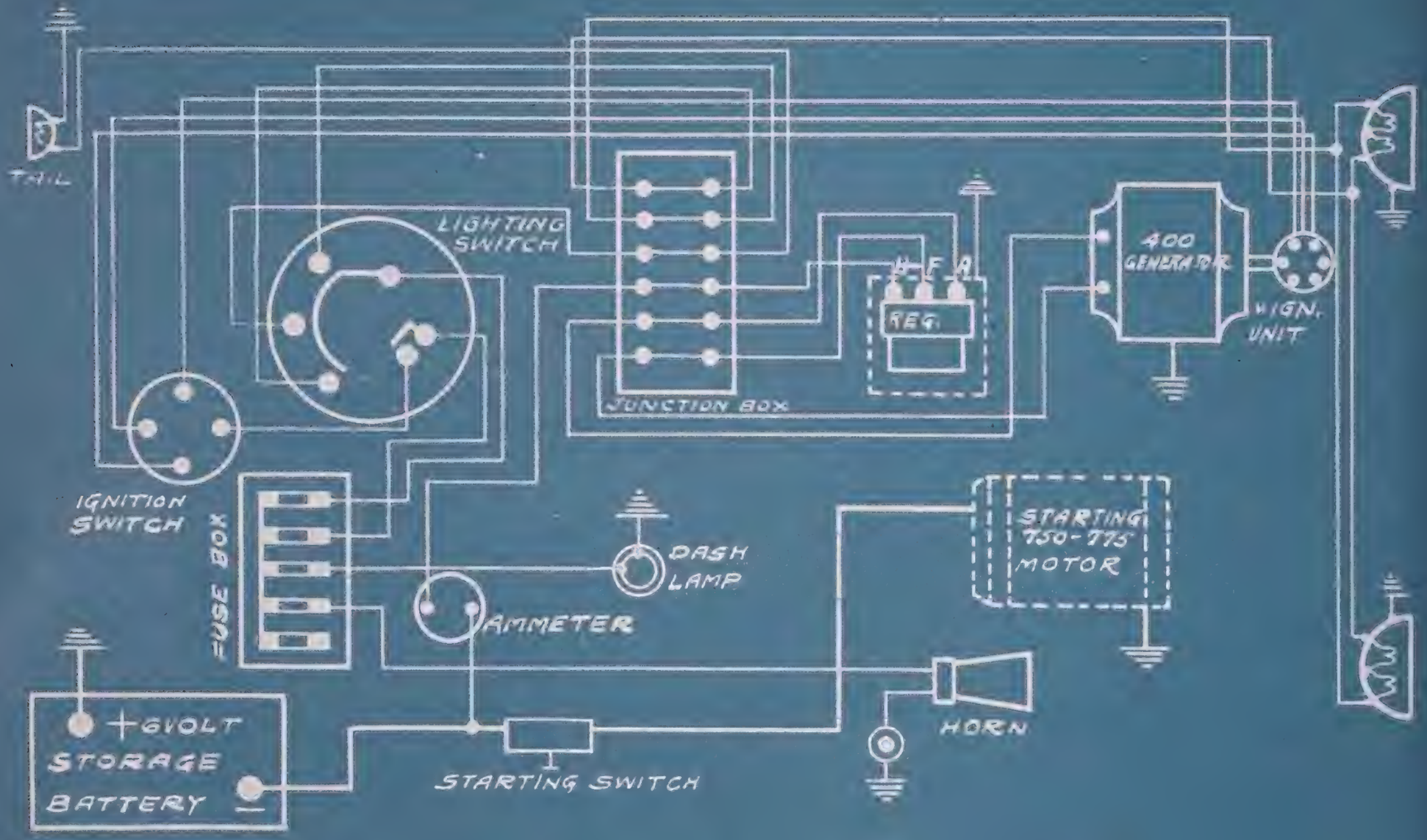
MAXWELL "25" 1922
SIMMS OR AUTO-LITE SYS.
ATWATER KENT IGN.



McFARLAN 1915
WESTINGHOUSE SYSTEM

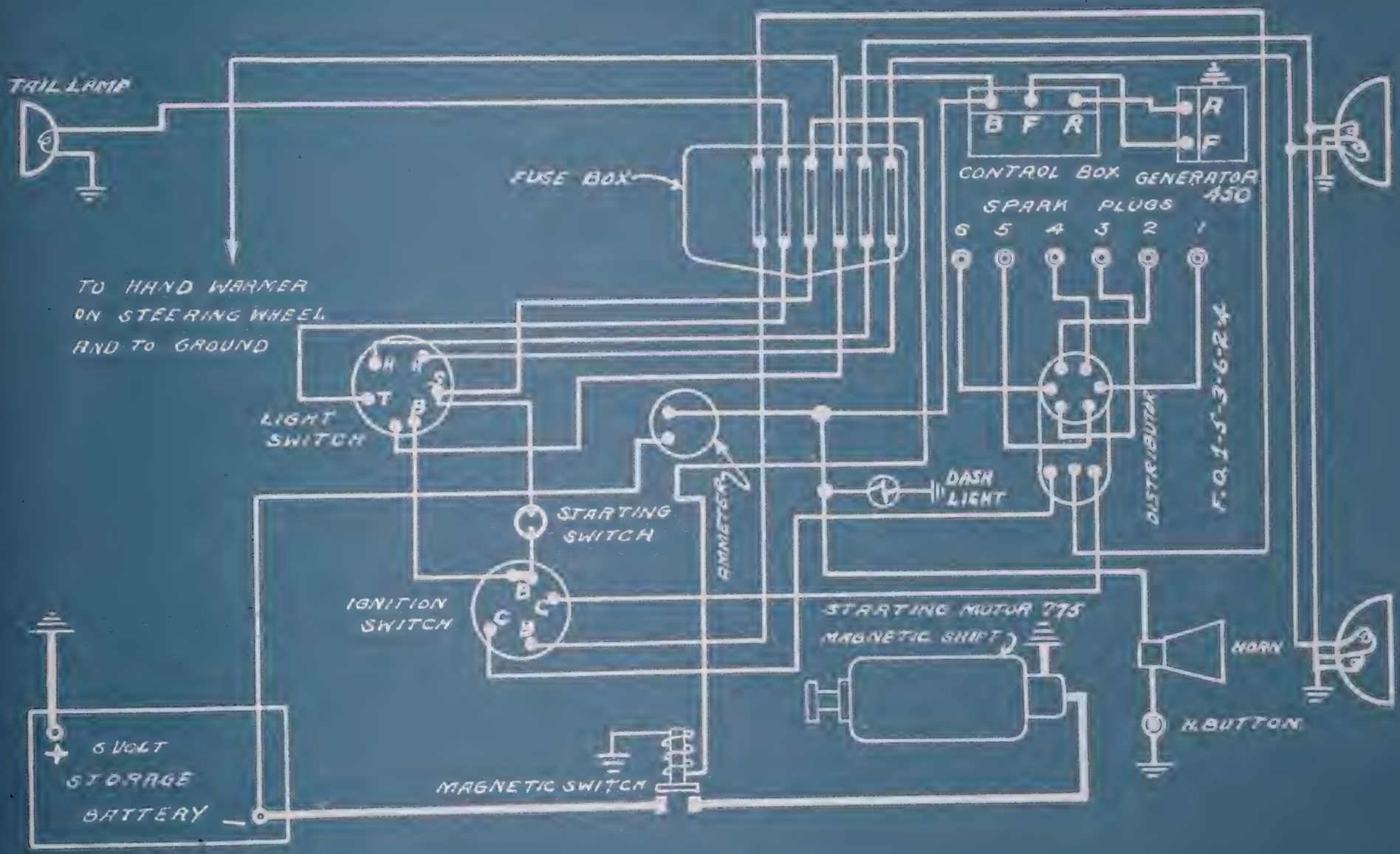


McFARLAN 1916
WESTINGHOUSE SYSTEM



McFARLAN 1917-1918-1919

WESTINGHOUSE SYSTEM.
BOSCH MAG. ON 1918-19

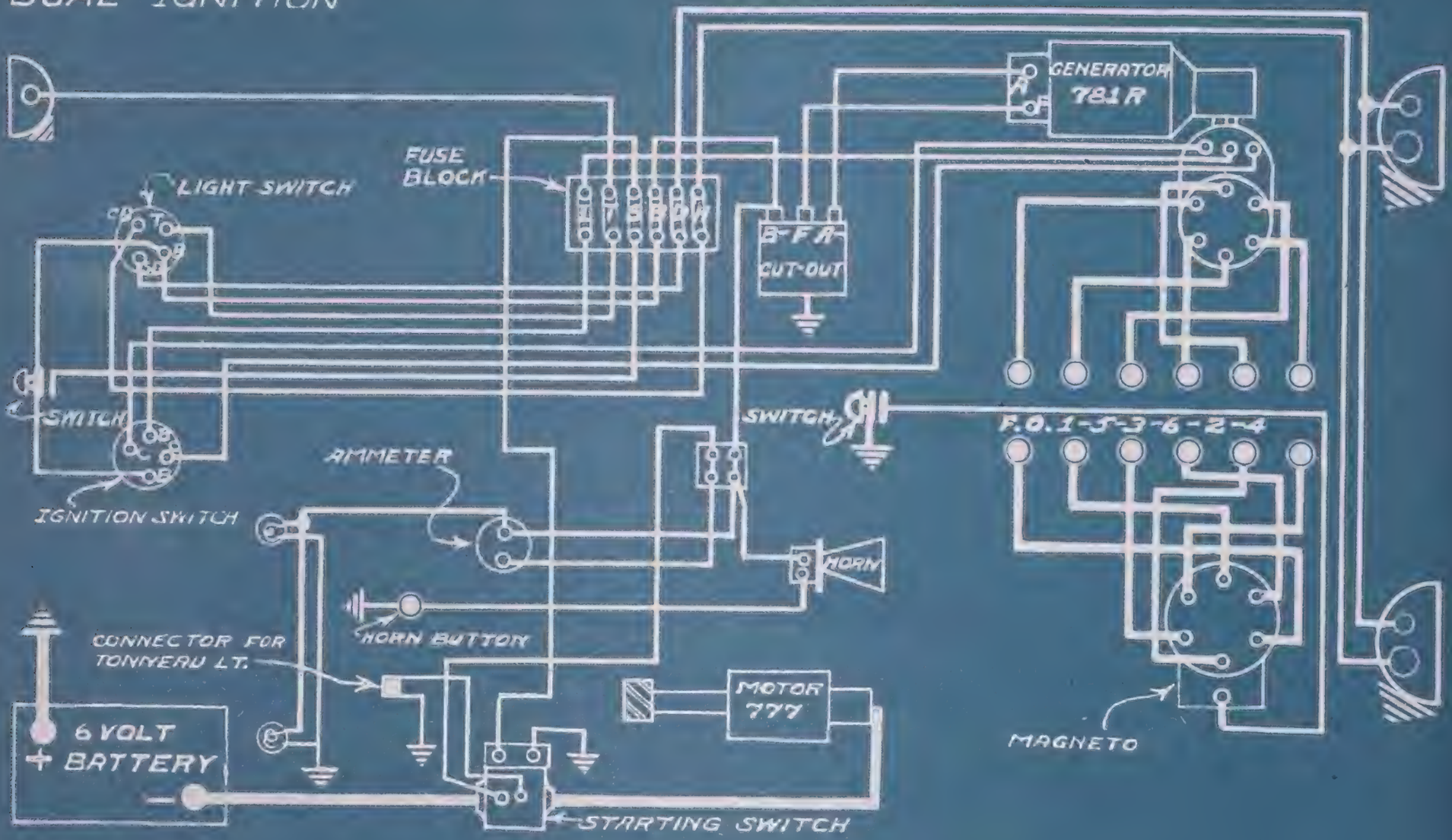


McFARLAN SIX 1919-20

WESTINGHOUSE SYSTEM

BOSCH MAG. IGNITION

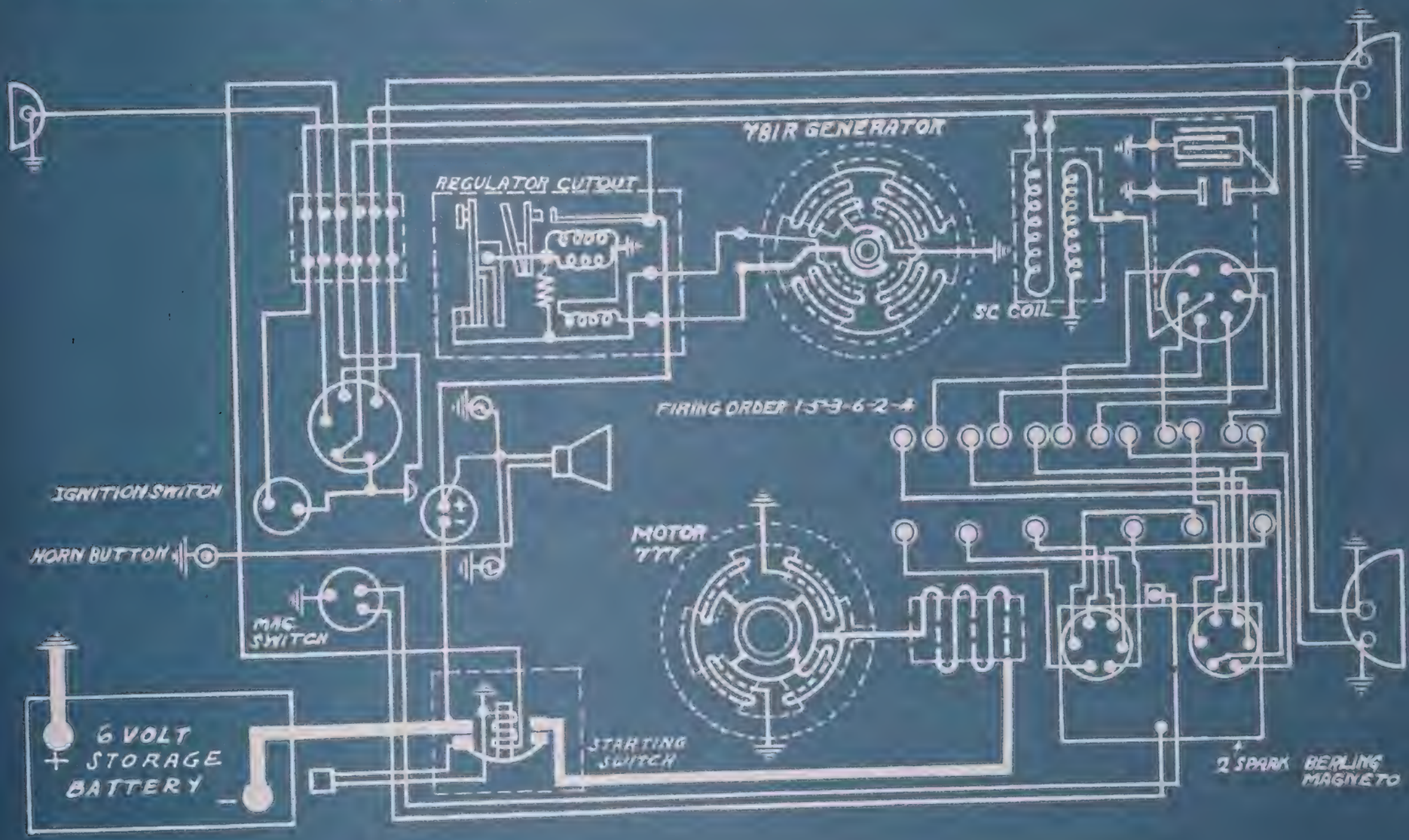
DUAL IGNITION



McFARLAN "147" 1921 - 150 & 160 Series 1922

WESTINGHOUSE SYSTEM

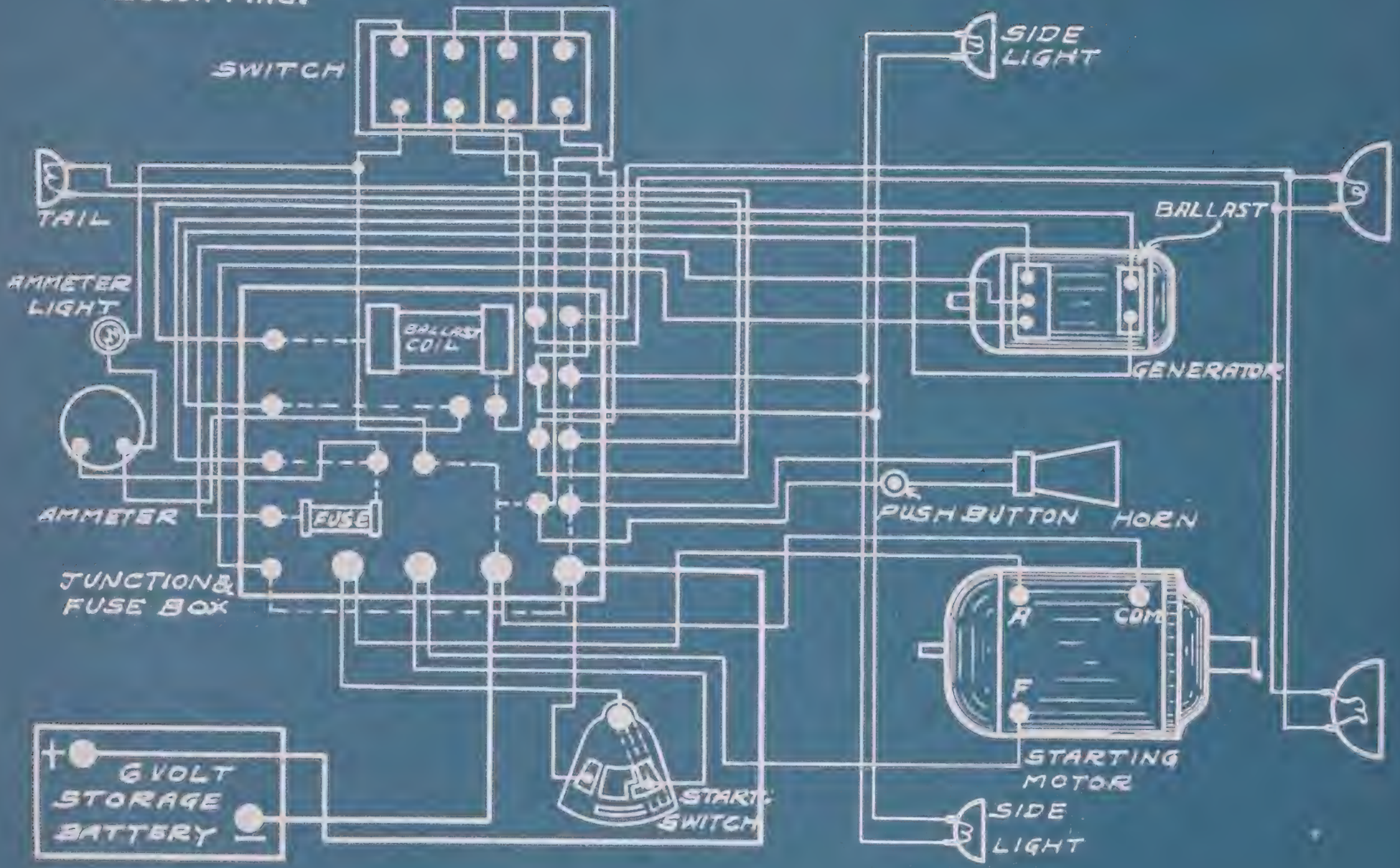
WESTINGHOUSE & BERLING MAG. IGN.



MERCER 1914 "35"

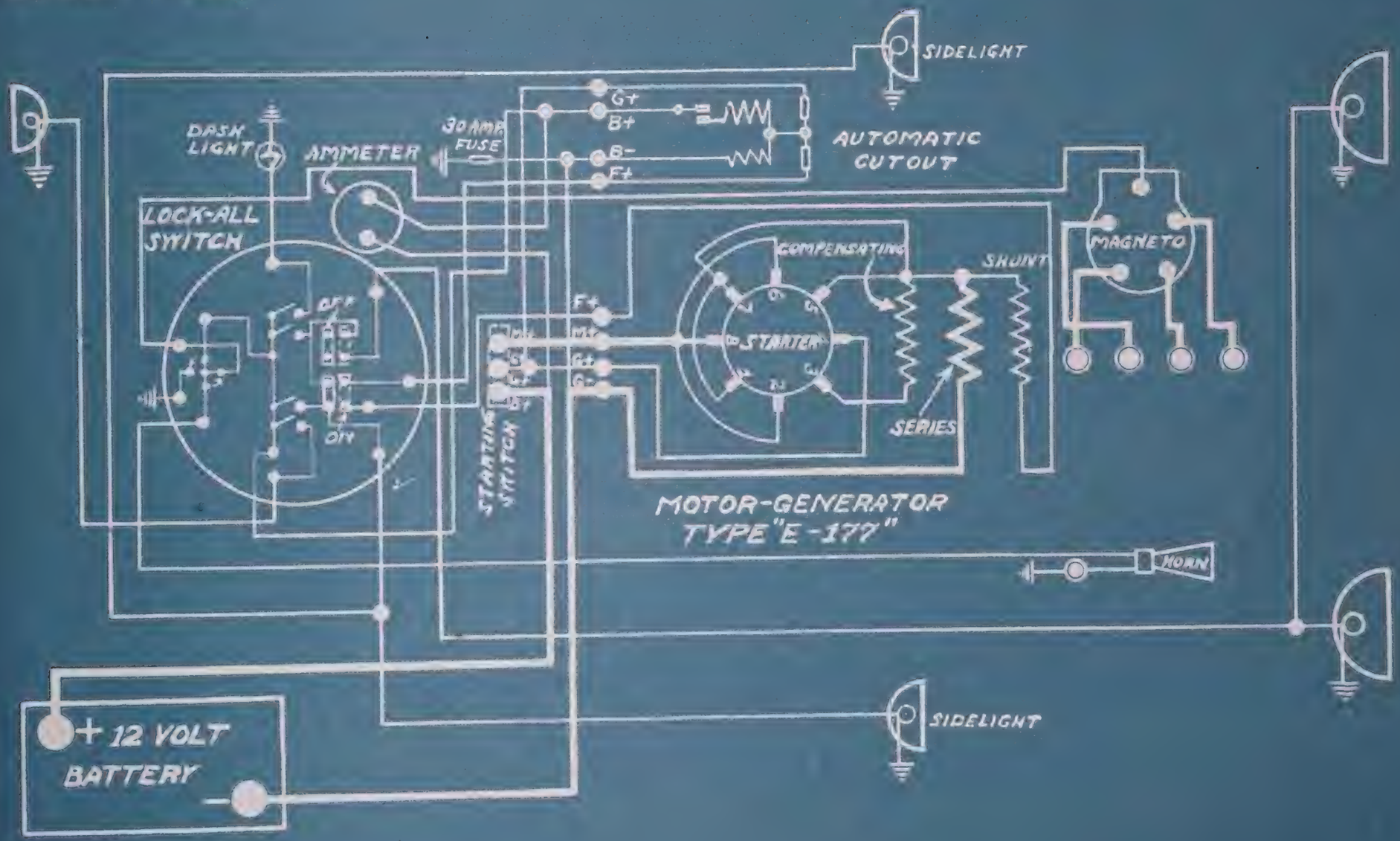
RUSHMORE SYSTEM

BOSCH MAG.



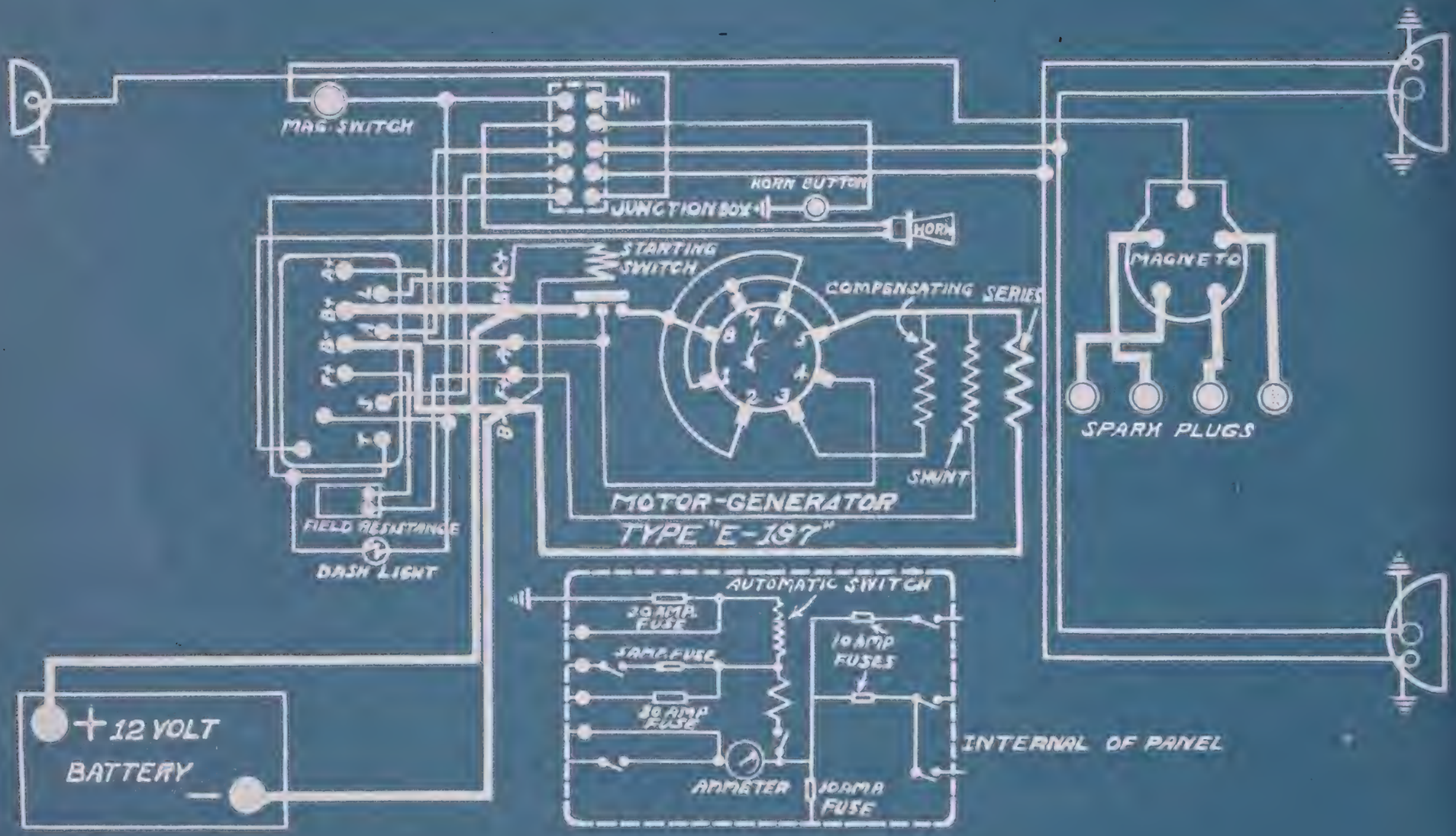
MERCER "22-77" 1915

U.S.L. SYSTEM
BOSCH MAG.



MERCER "22-70" 1916

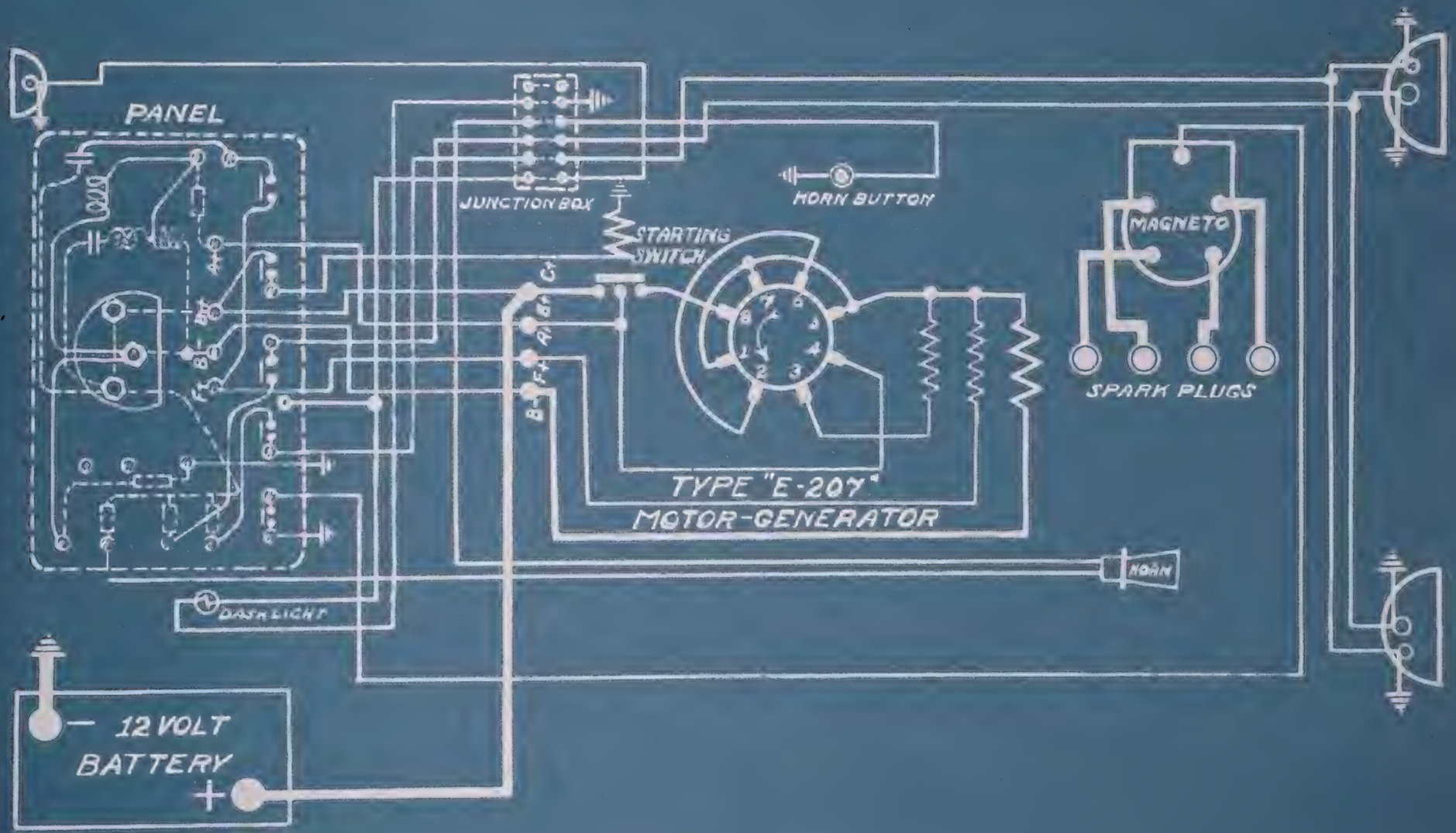
U.S.L SYSTEM
BOSCH MAG.



MERCER "22-73" 1917

U.S.L. SYSTEM

BOSCH & BERLING MAG.

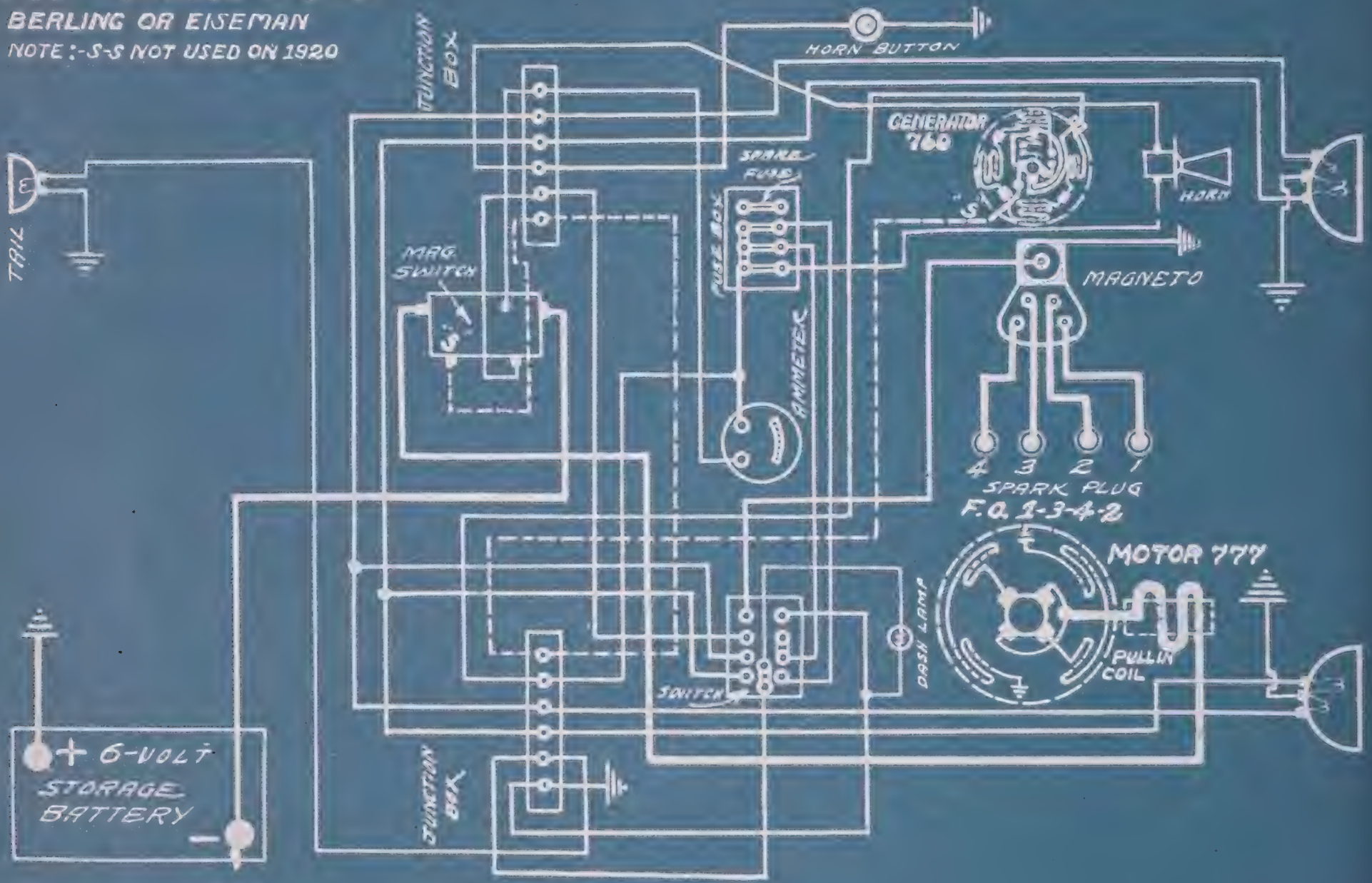


MERCER 1918-19-20-21 22&74 Ser. 5 1922

WESTINGHOUSE SYSTEM

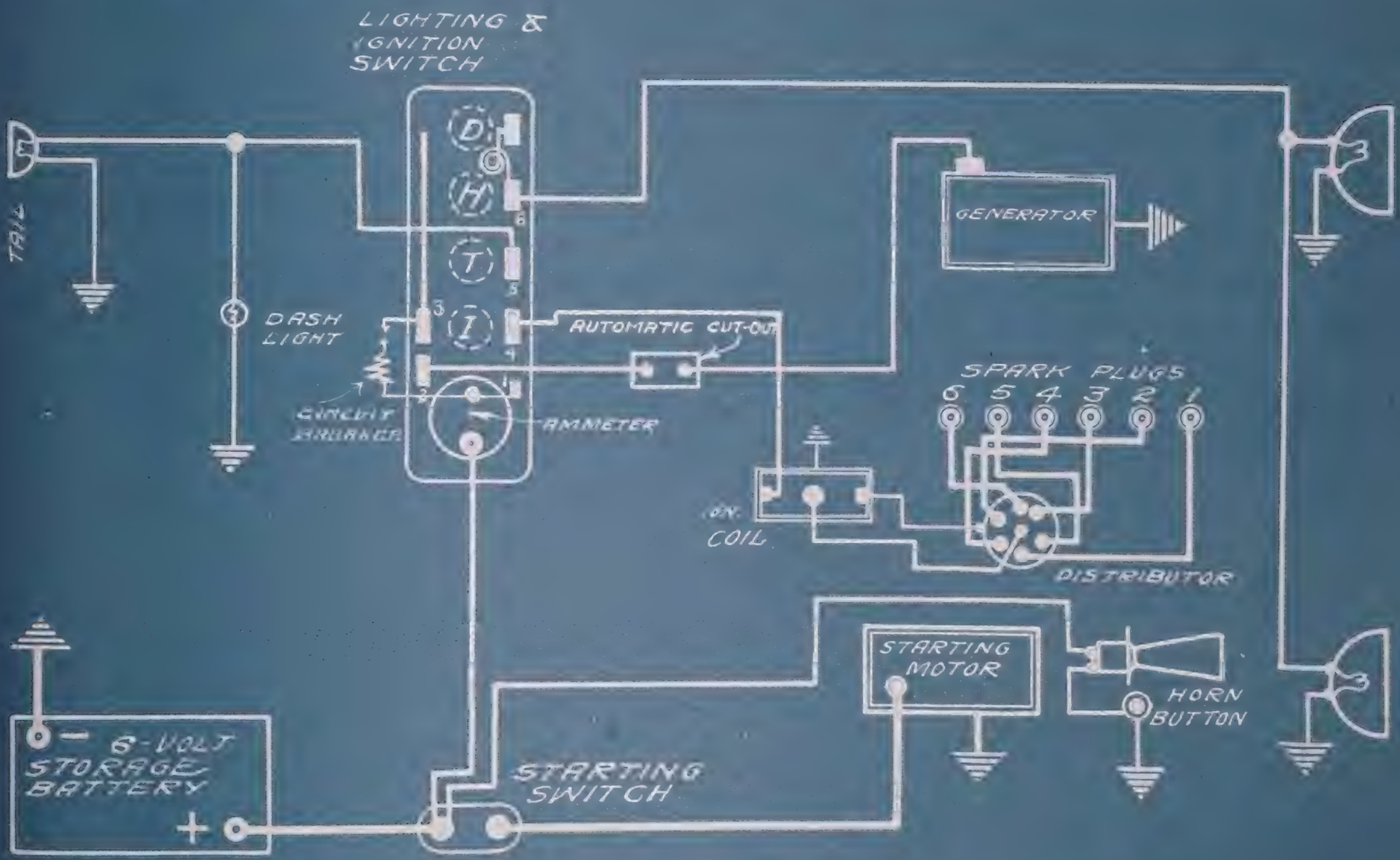
BERLING OR EISEMAN

NOTE:-S-S NOT USED ON 1920

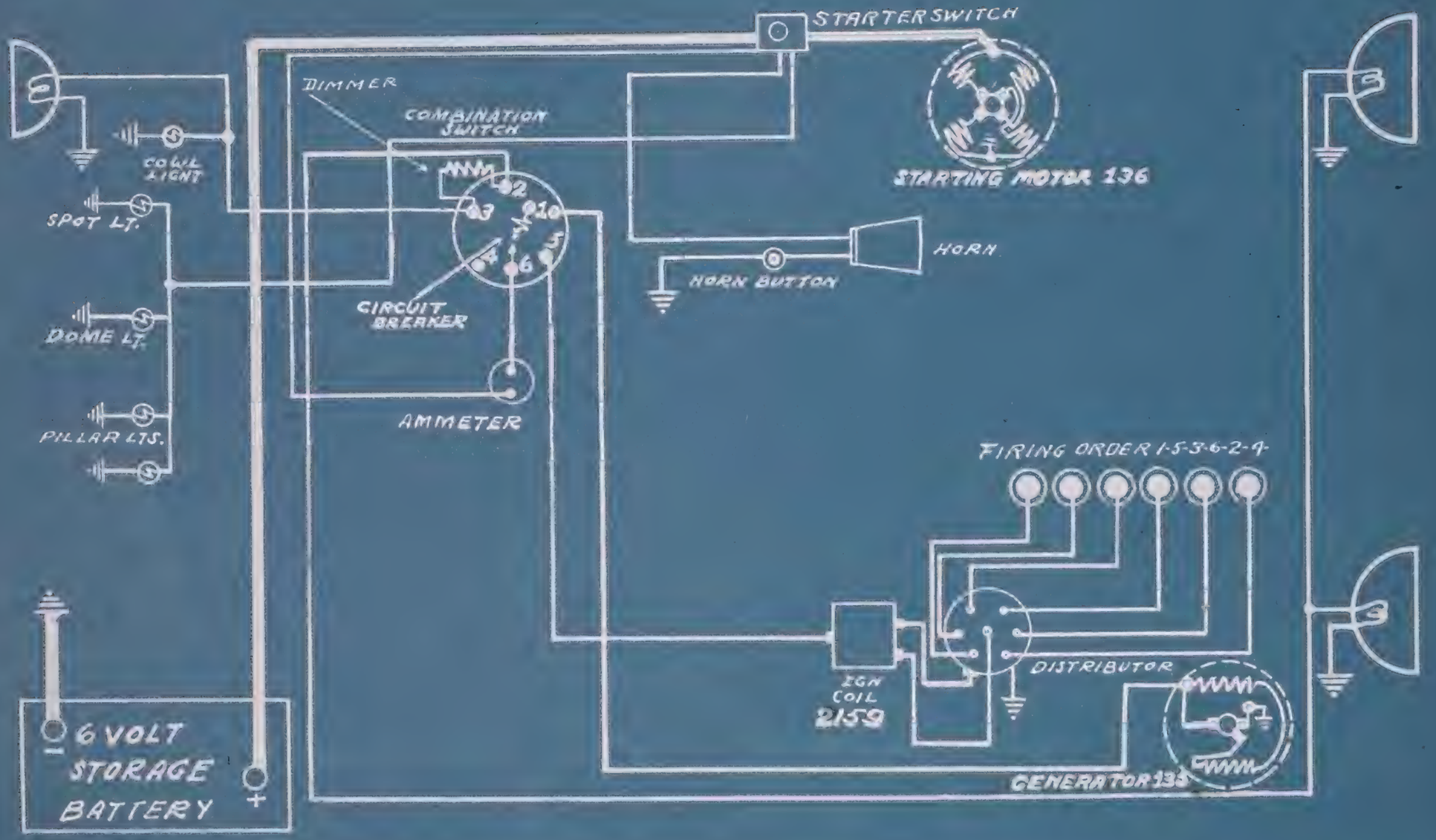


METEOR 1917 75 - 80

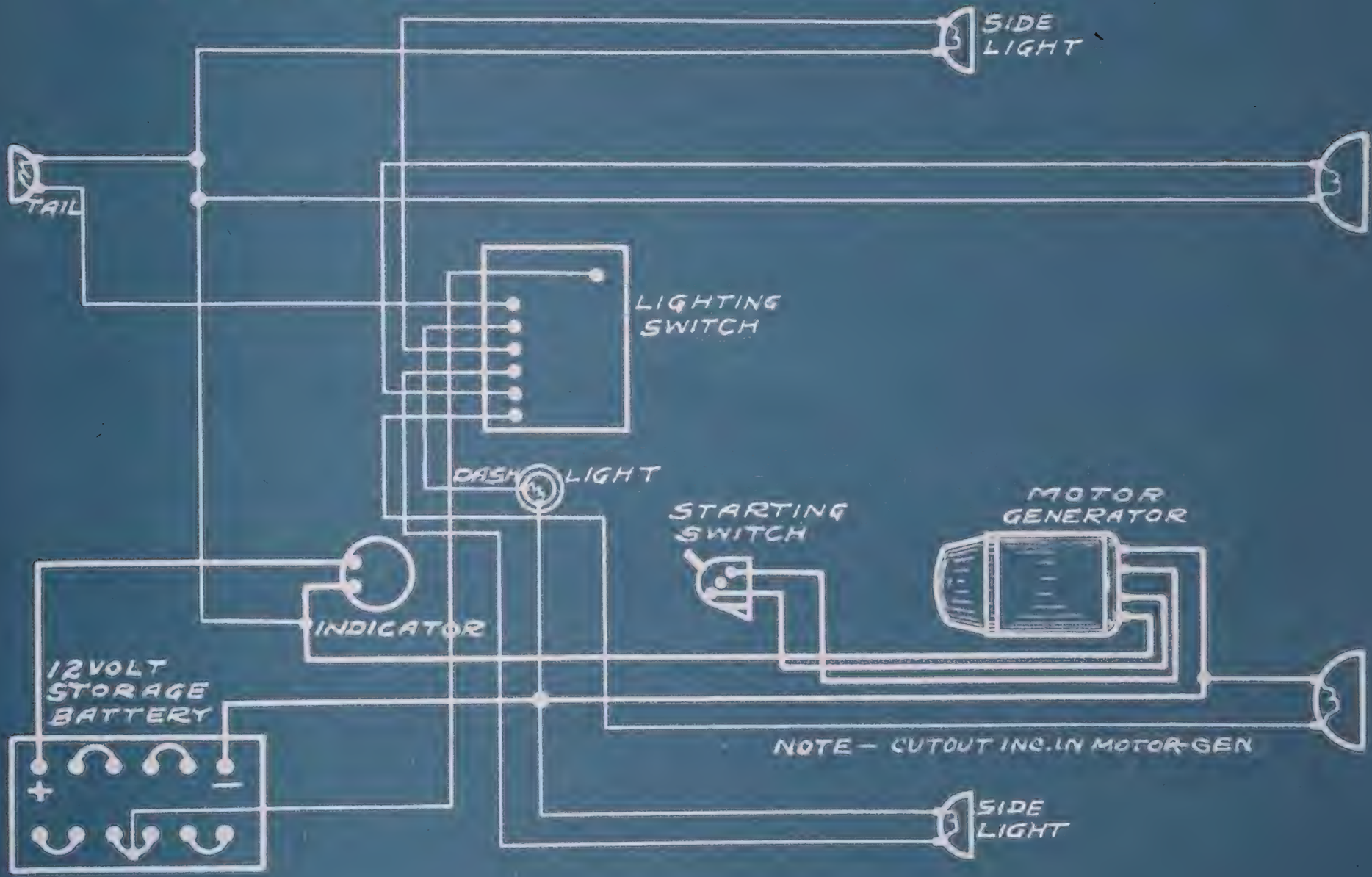
DELCO SYSTEM



METEOR 1920
DELCO SYSTEM

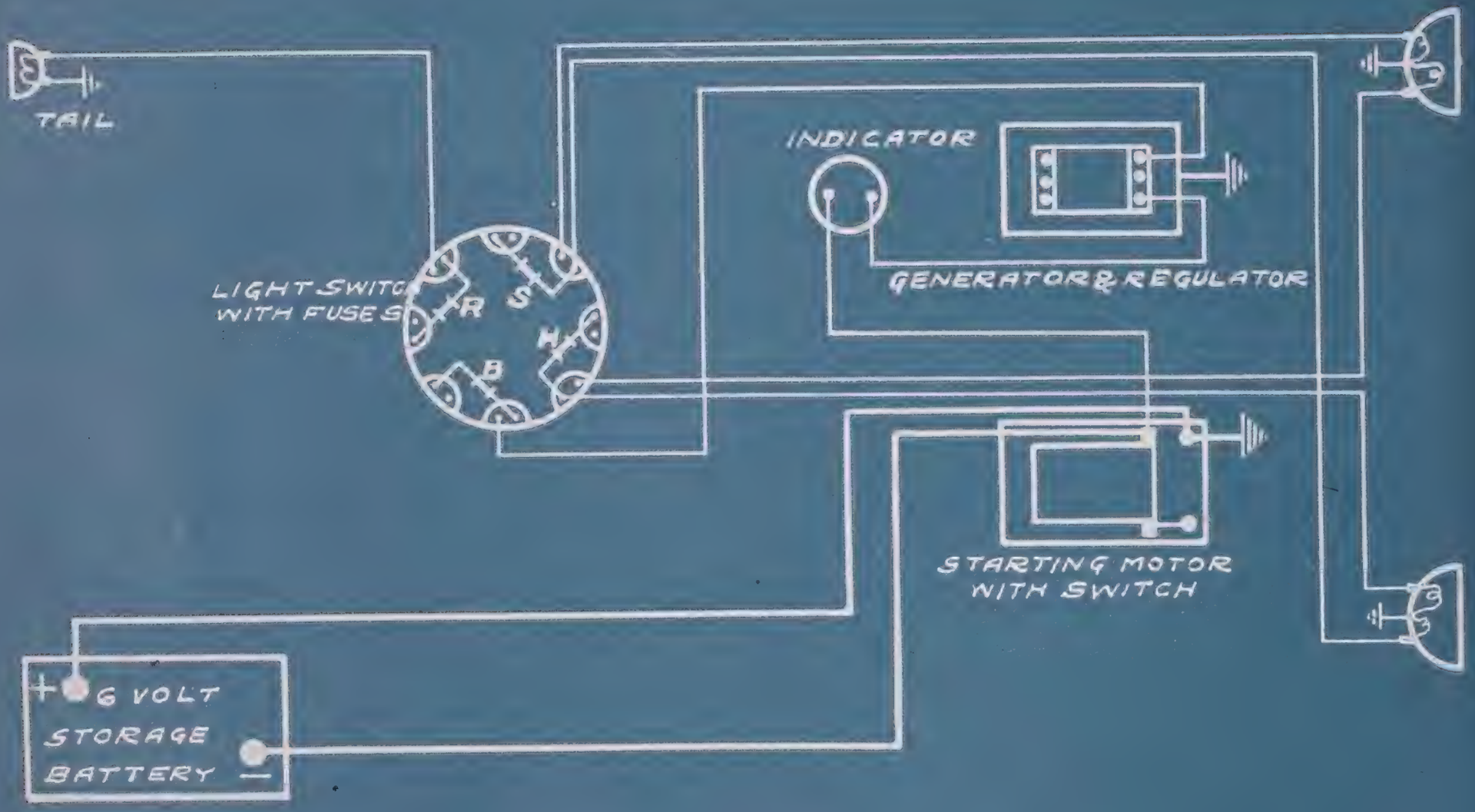


METZ 1914 "22"
NORTHEAST SYSTEM

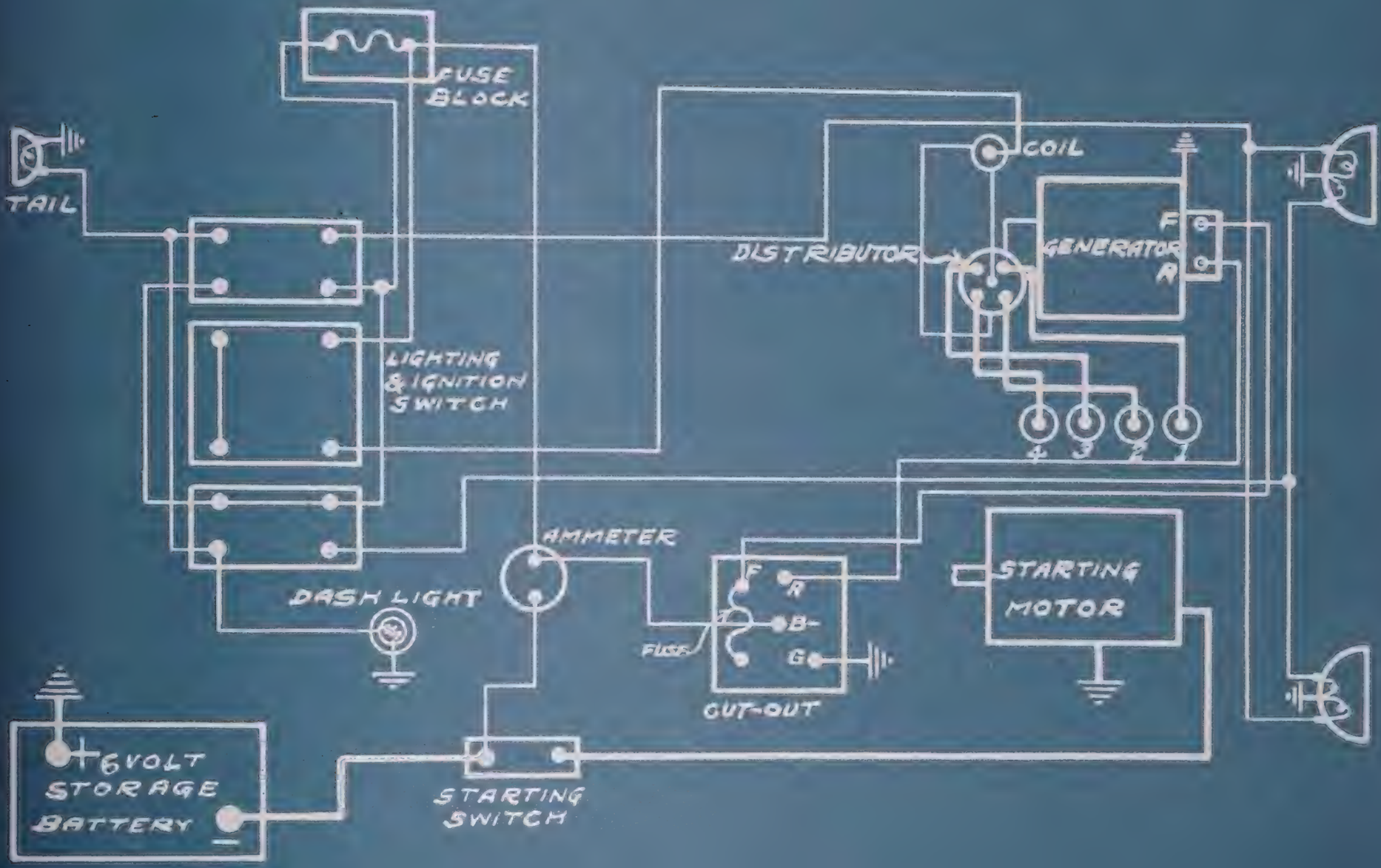


METZ 1915-16-17 -22&25-

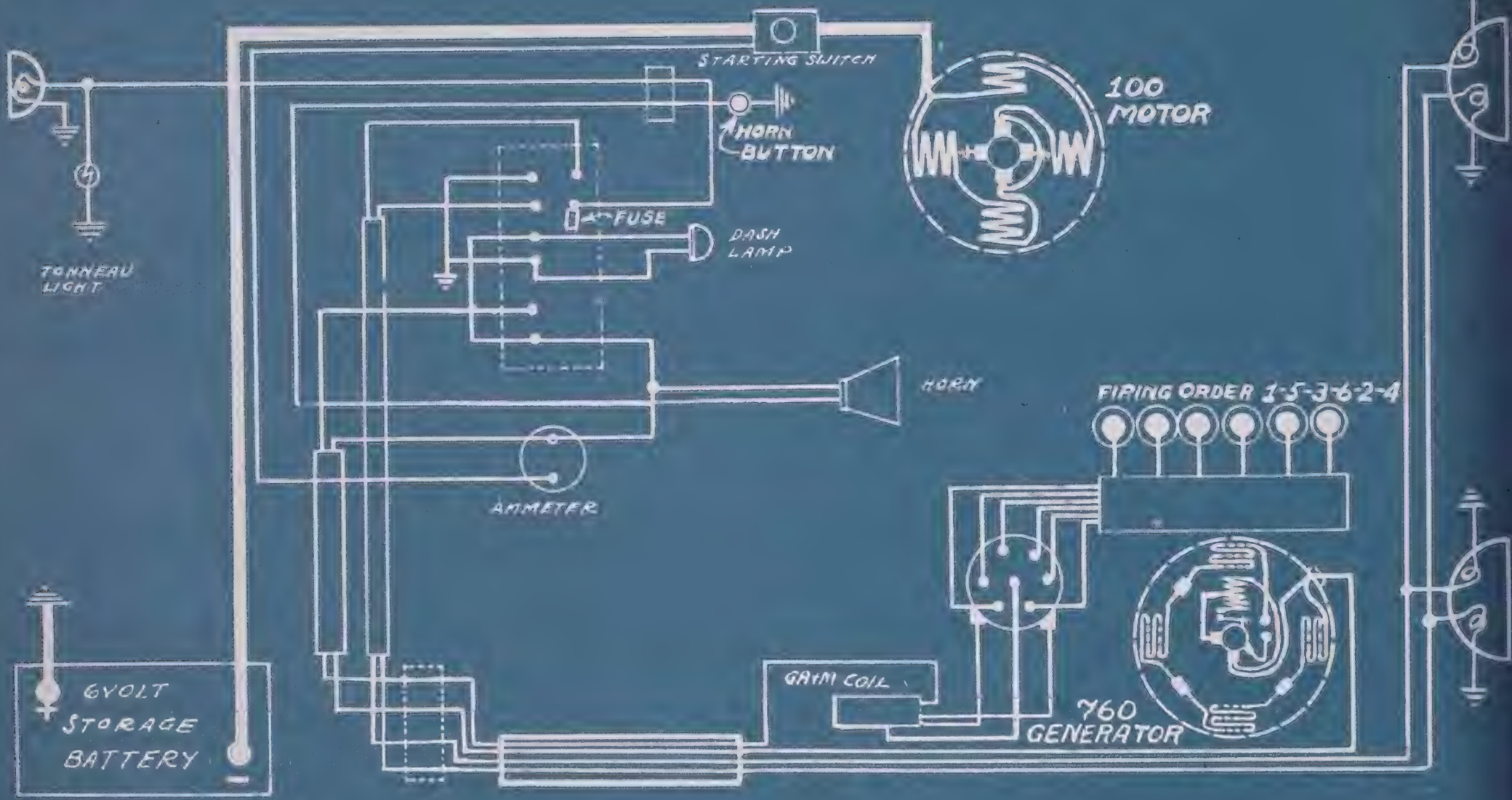
GRAY&DAVIS SYSTEM



METZ 1917-18 "G"
WESTINGHOUSE SYSTEM



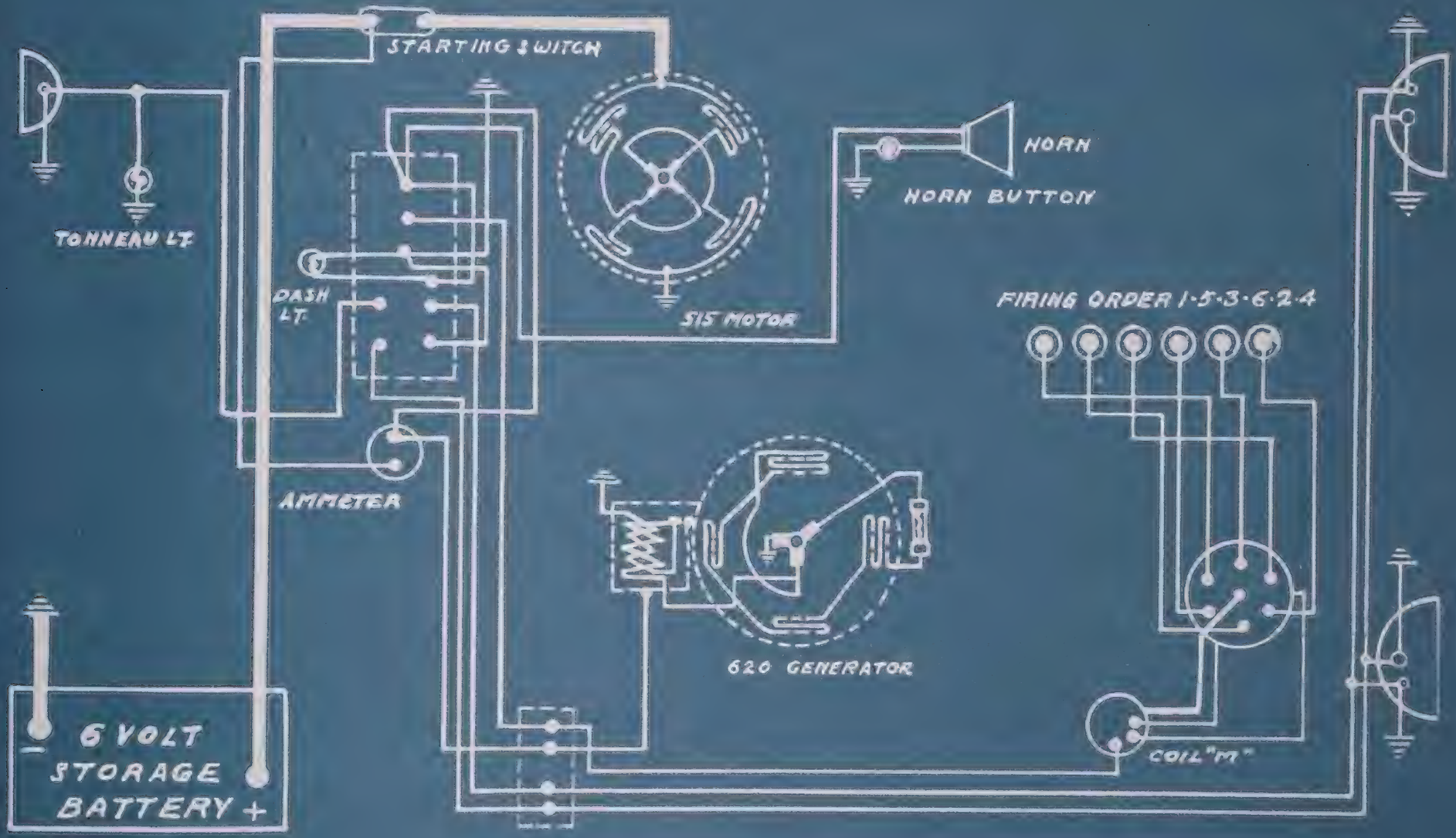
METZ "MASTER SIX" 1919
WESTINGHOUSE START. & LIGHT.
CONN. IGN.



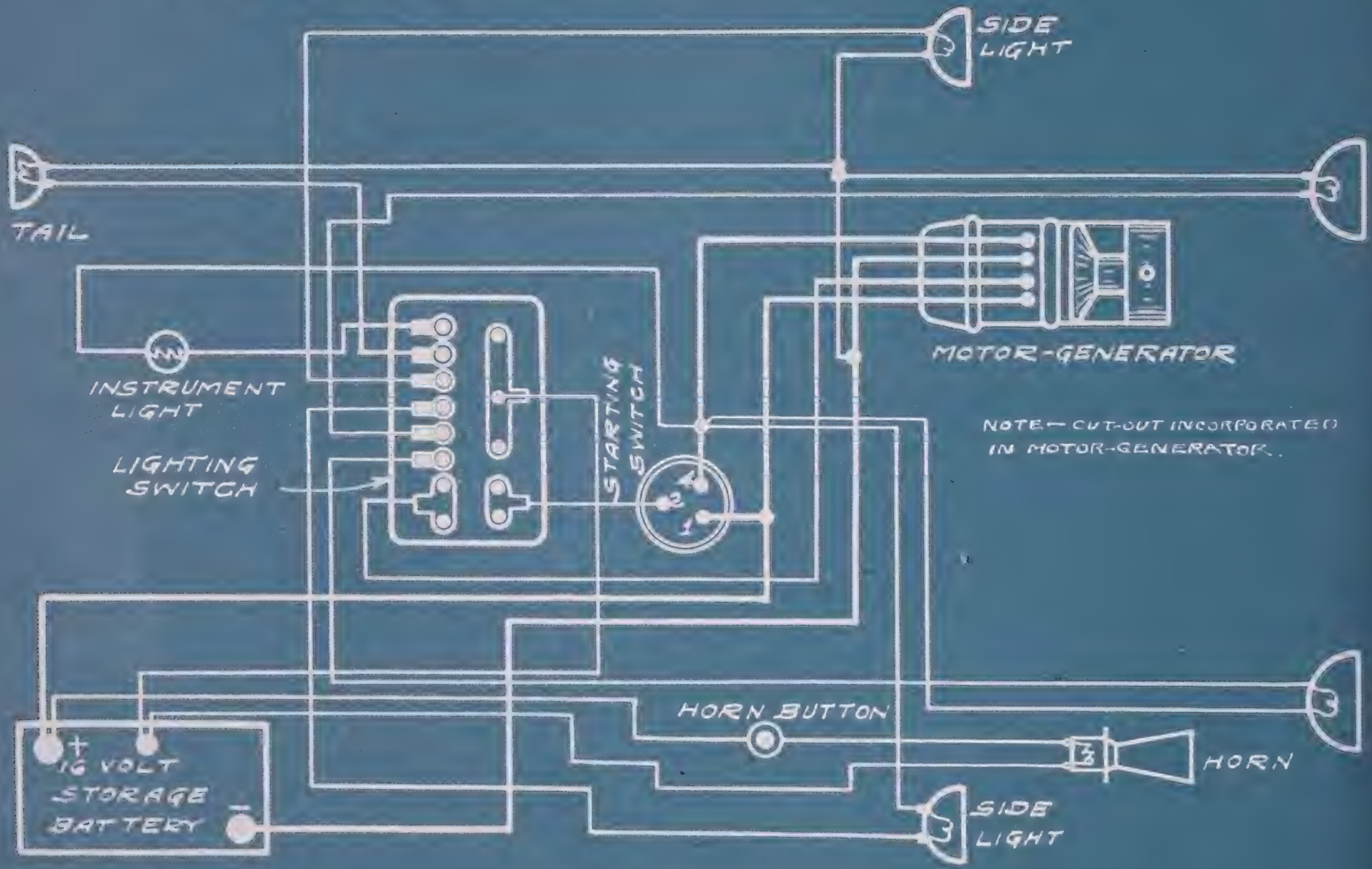
METZ "MASTER SIX" 1920-1921

GRAY & DAVIS SYSTEM

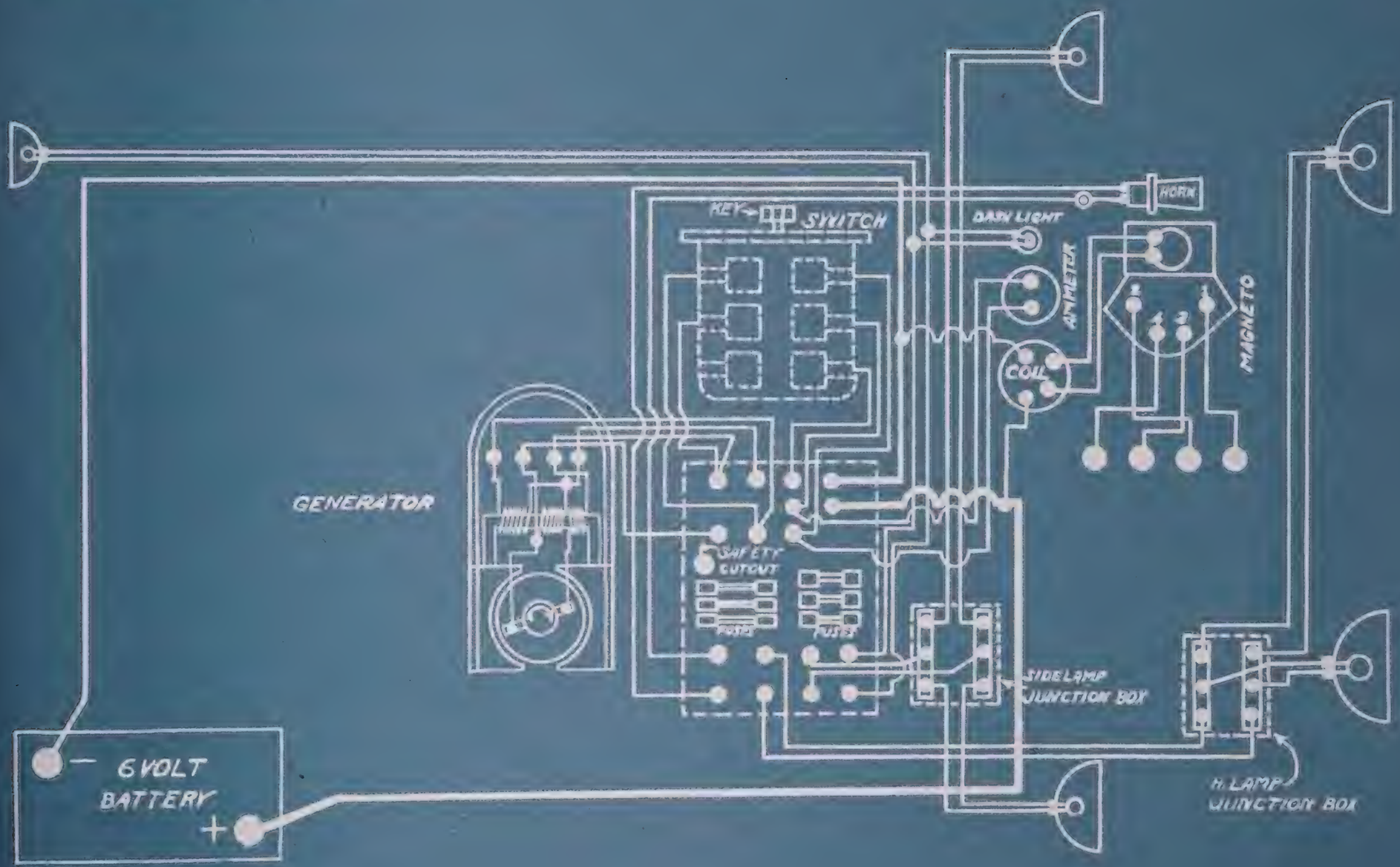
CONNECTICUT IGN.



MICHIGAN 1913
NORTHEAST SYSTEM



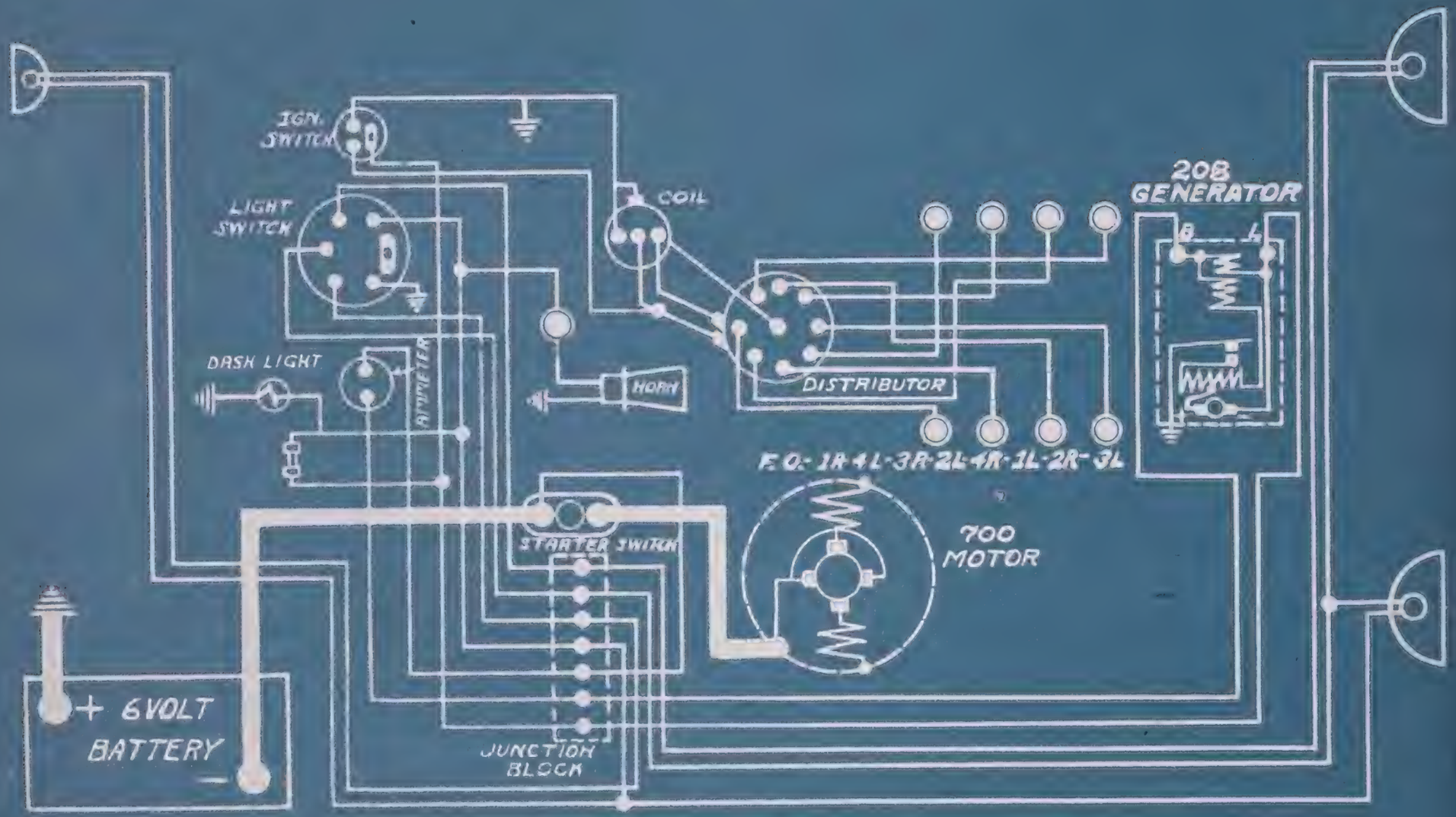
MITCHELL 1913
ESTERLINE SYSTEM



MITCHELL "D40" 1915

WESTINGHOUSE SYSTEM

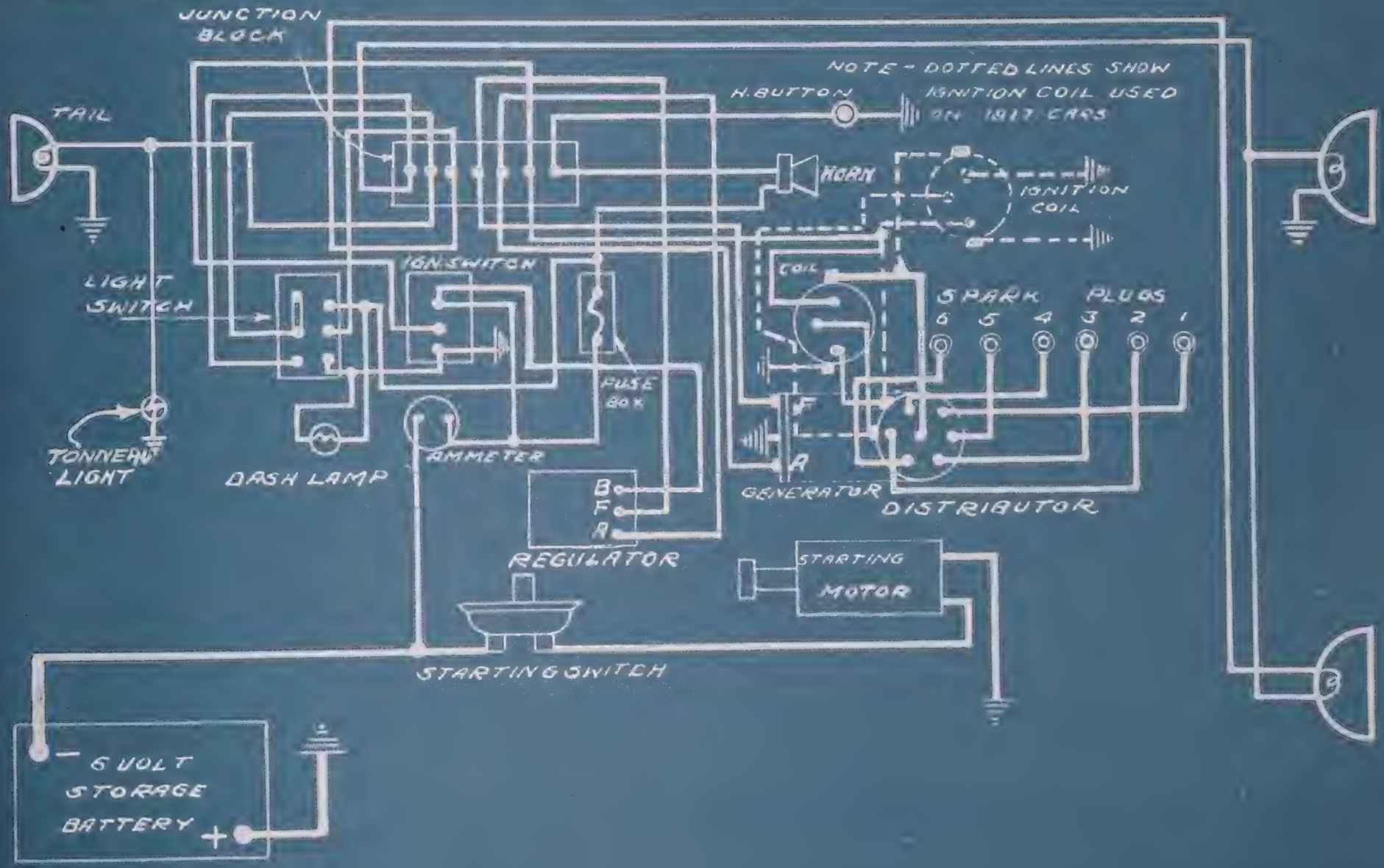
CONN. IGN.



MITCHELL 1917-1918 C42

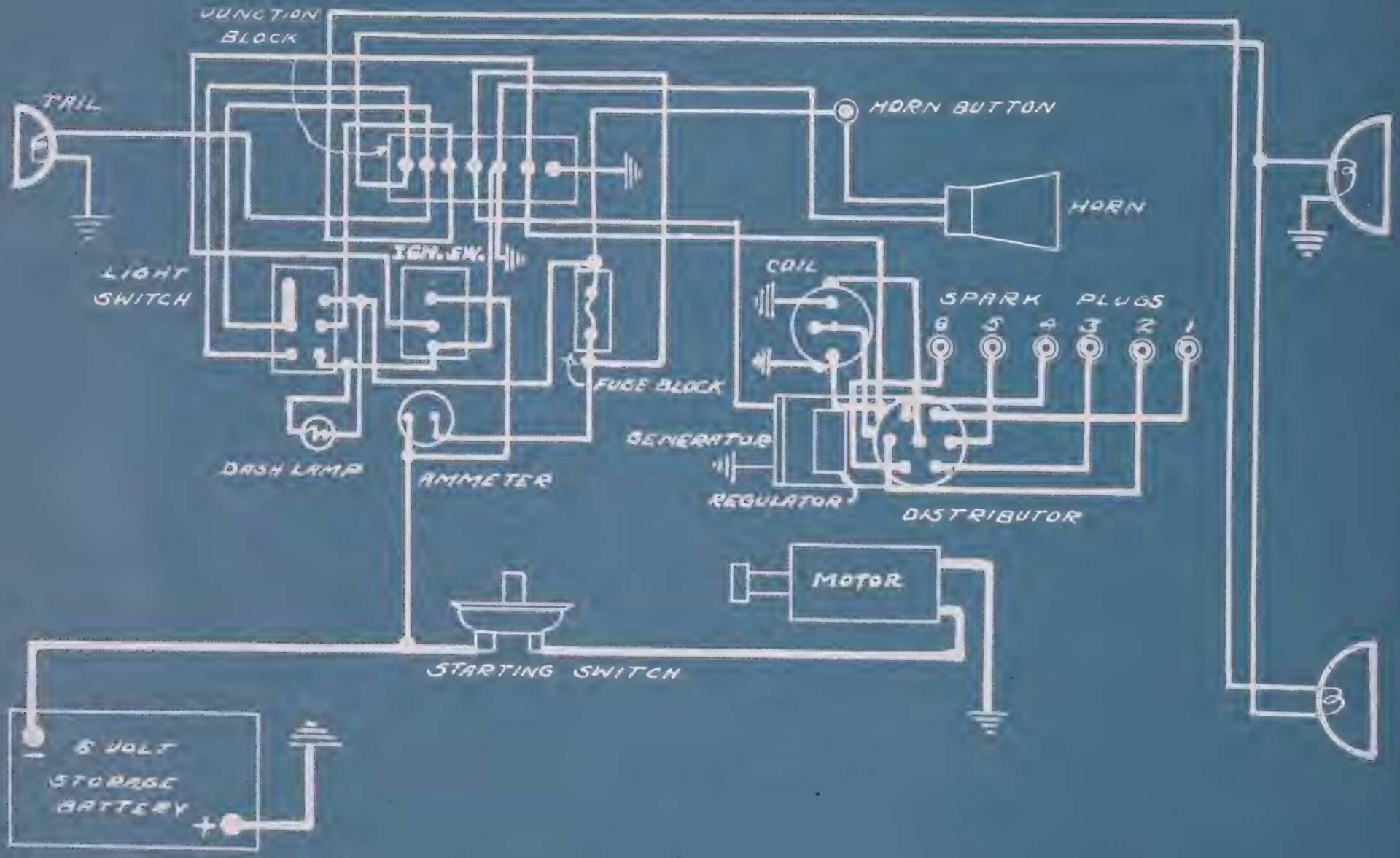
WESTINGHOUSE SYSTEM

CONN. IGN.



MITCHELL MODEL D-40 1917-18-19.

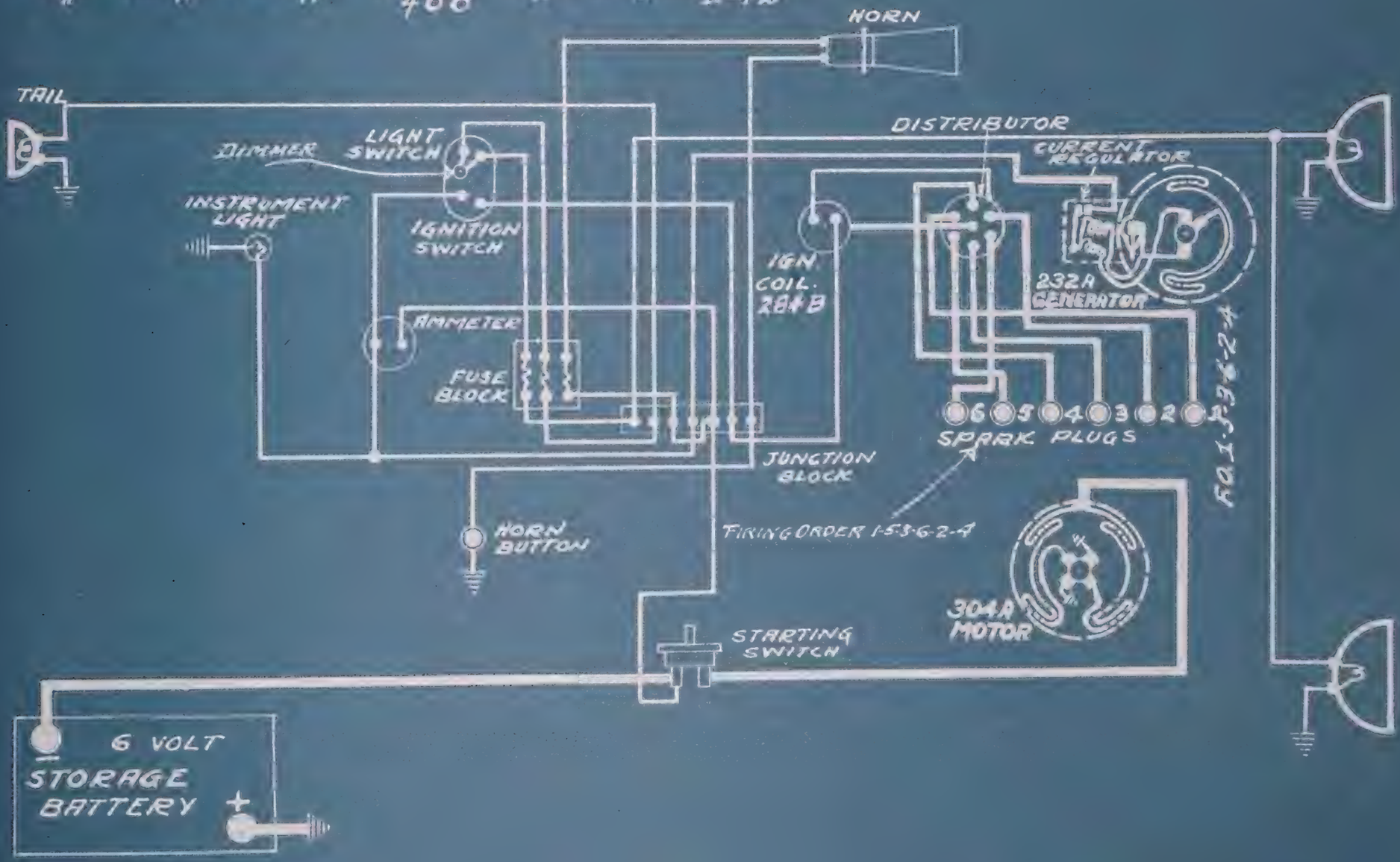
SPLITDORF SYSTEM. — CONNECTICUT IGNITION



MITCHELL EARLY 1919

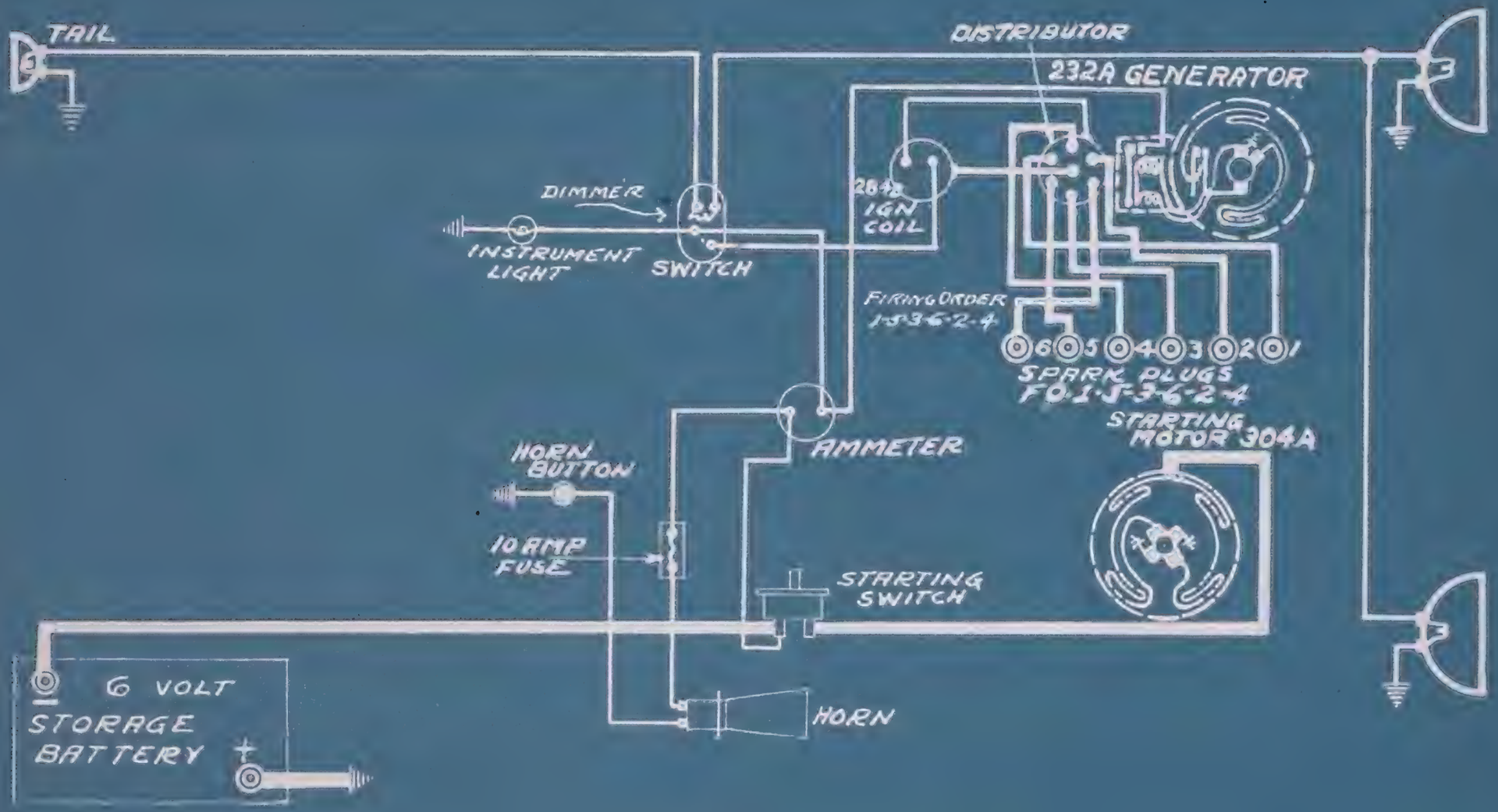
REMY SYSTEM

VOID AFTER FIRST 4000 CARS MODEL E-40
" " " 400 " " E-42



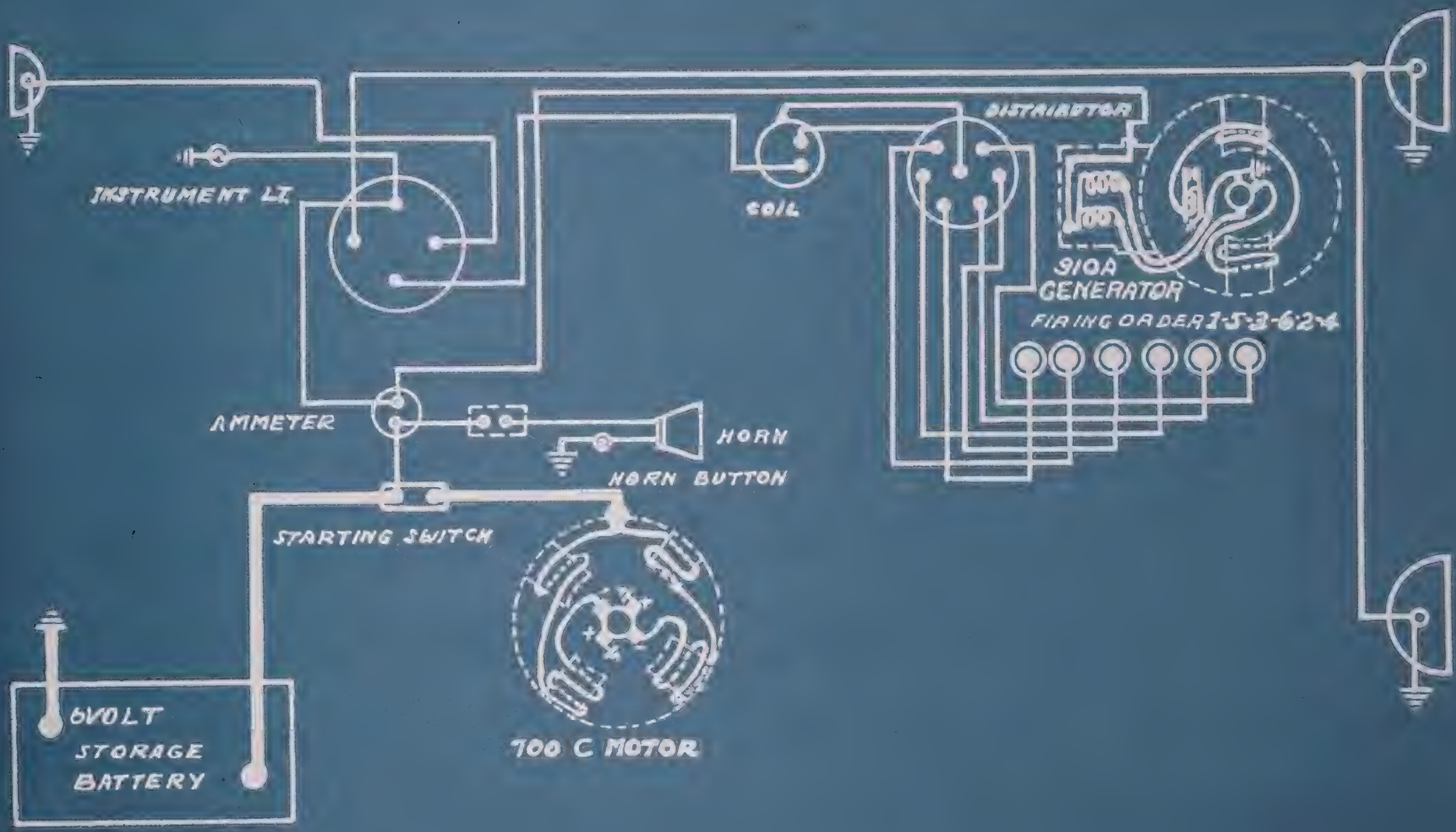
MITCHELL LATE 1919 & 1920

REMY SYSTEM (AFTER 4000 "E-40" AND 400 "E-42" CARS)



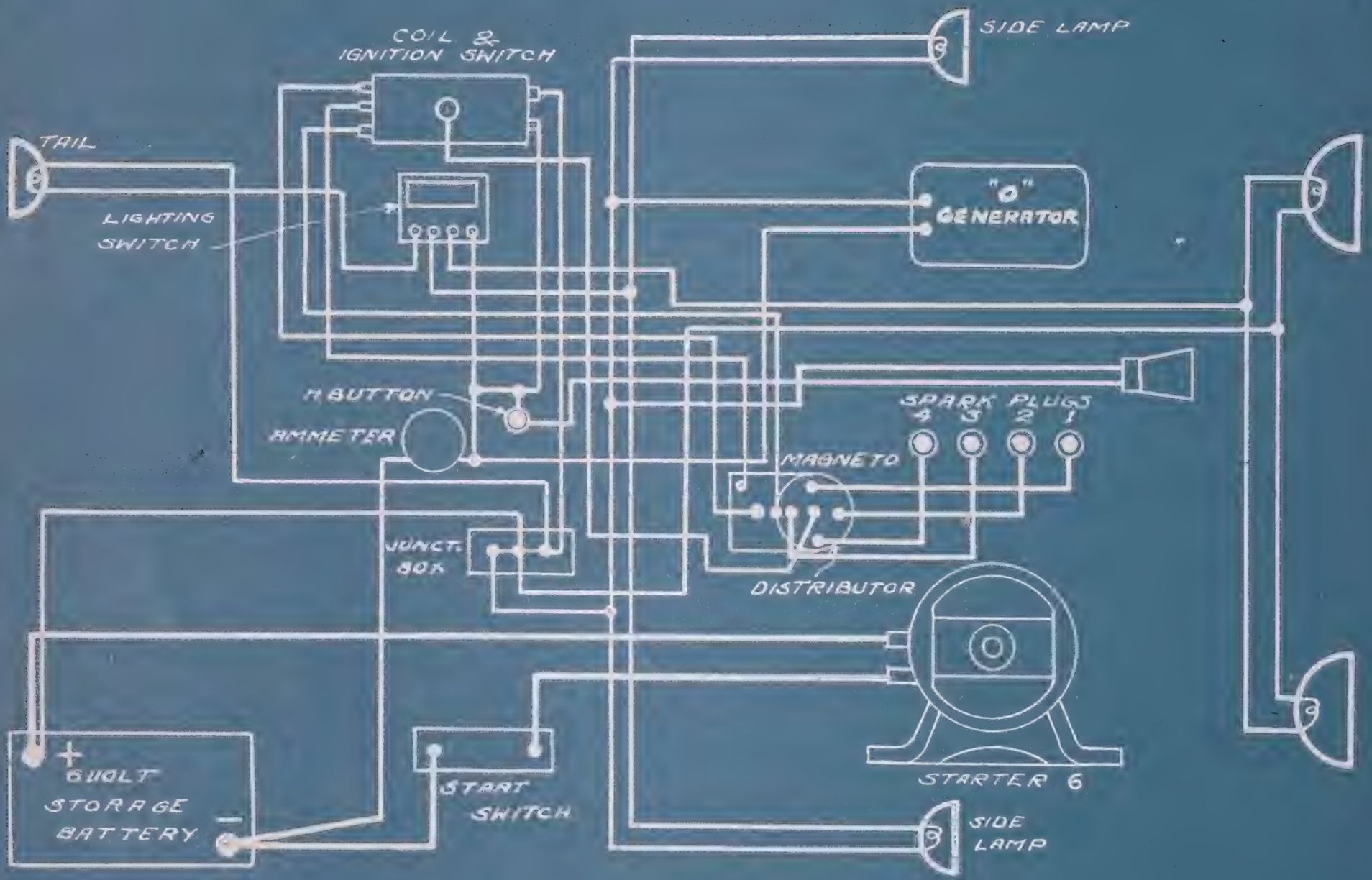
MITCHELL "F40" 1921 F5-50 & F7-1922

REMY SYSTEM



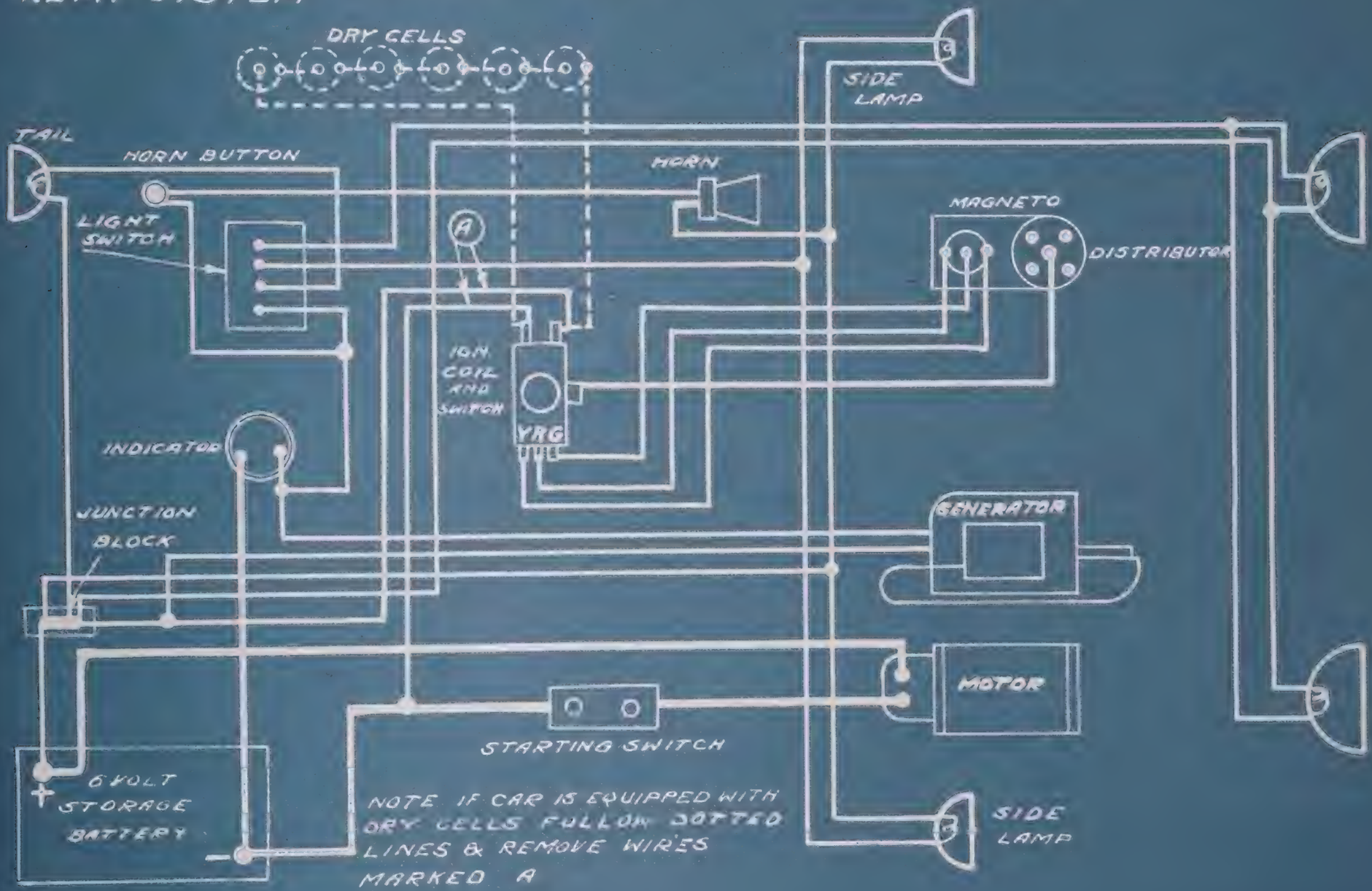
MITCHELL-LEWIS 1914

REMY SYSTEM



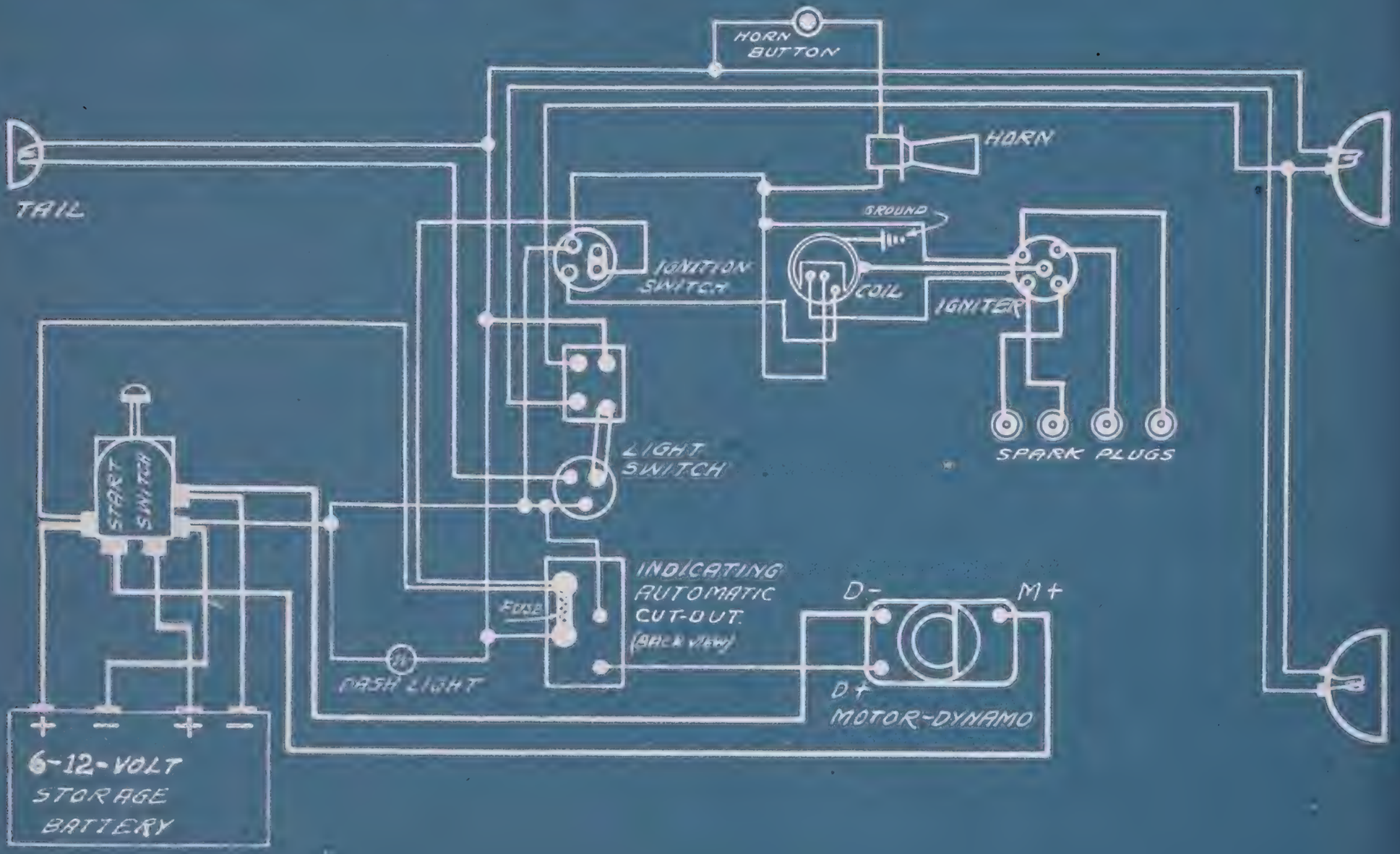
MITCHEL-LEWIS 1914 A-40-50-70

REMY SYSTEM



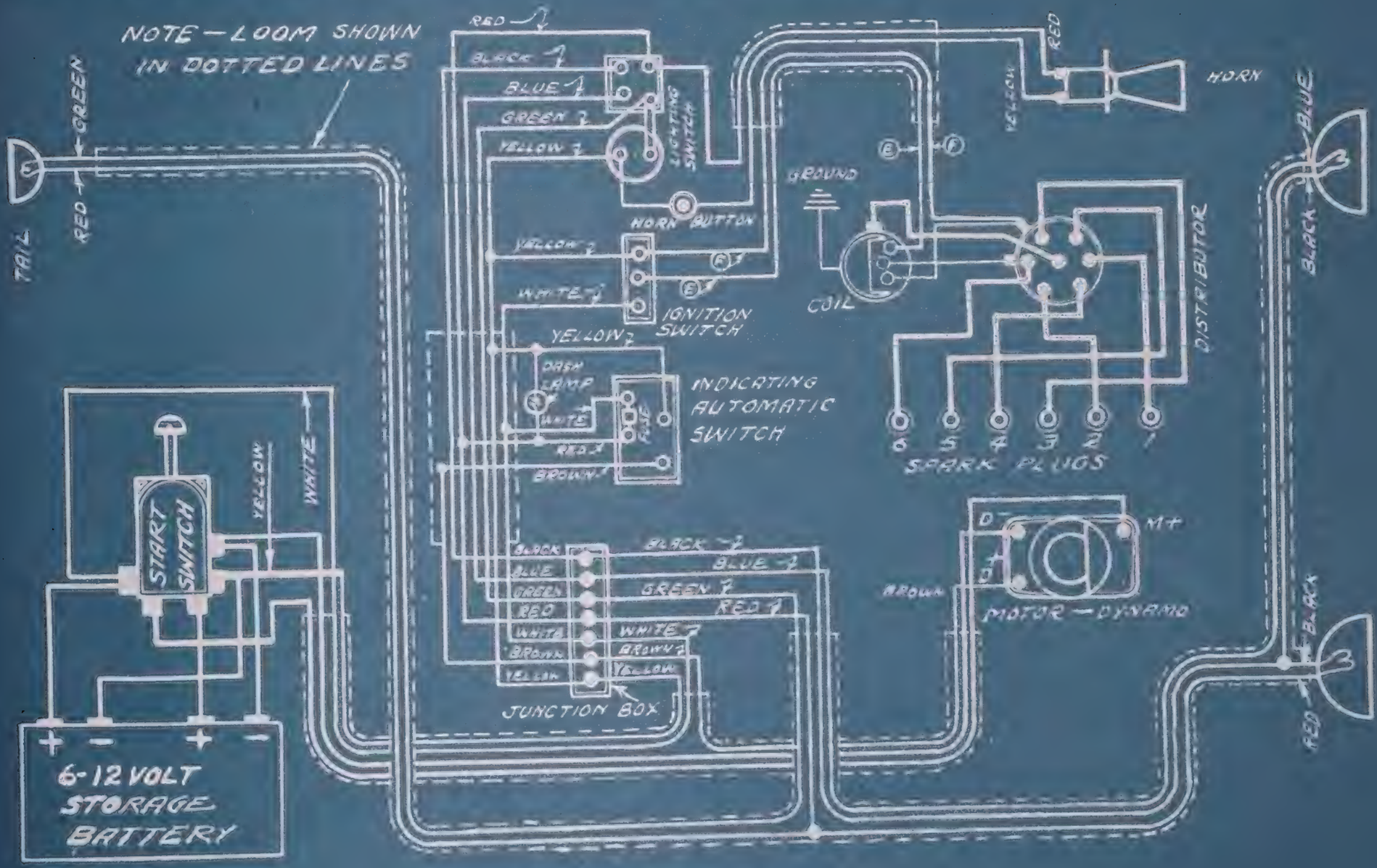
MITCHELL-LEWIS 1915 "4"

SPLITDORF-APELCO SYSTEM CONNECTICUT IGNITION



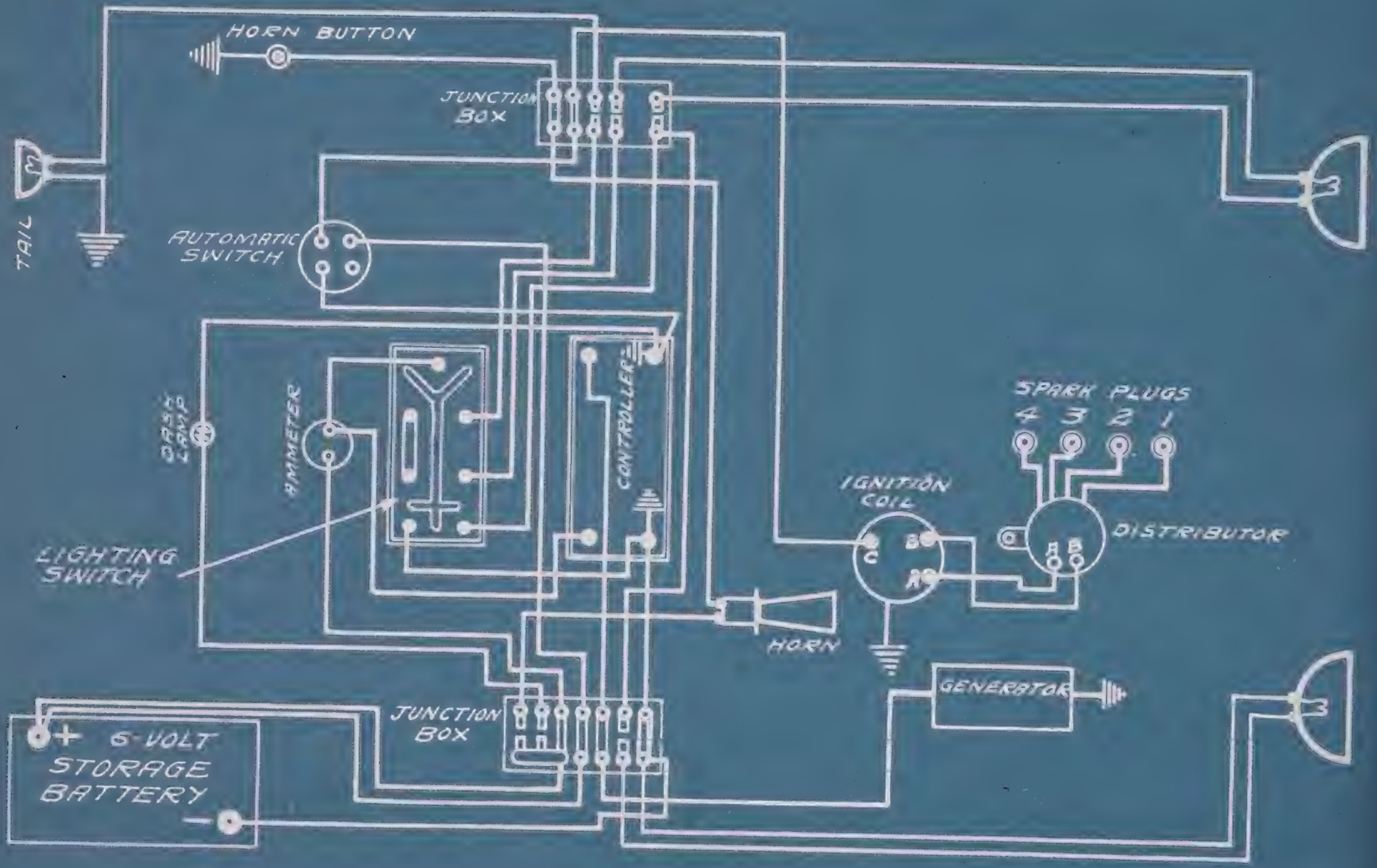
MITCHELL-LEWIS 1916

SPLITDORF-APELCO SYSTEM CONNECTICUT IGNITION



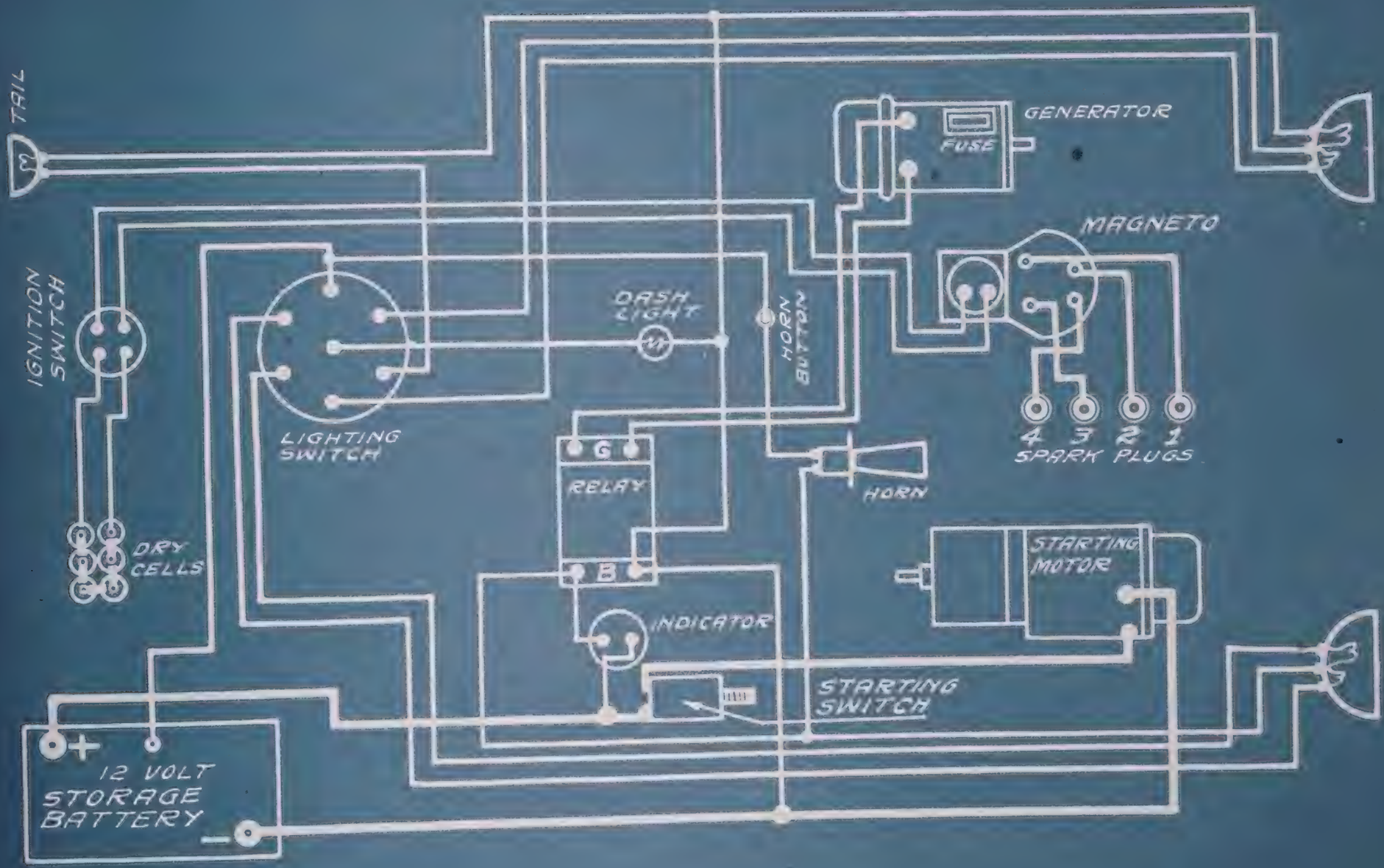
MOLINE M-40 1912-13-14

WARD-LEONARD SYSTEM



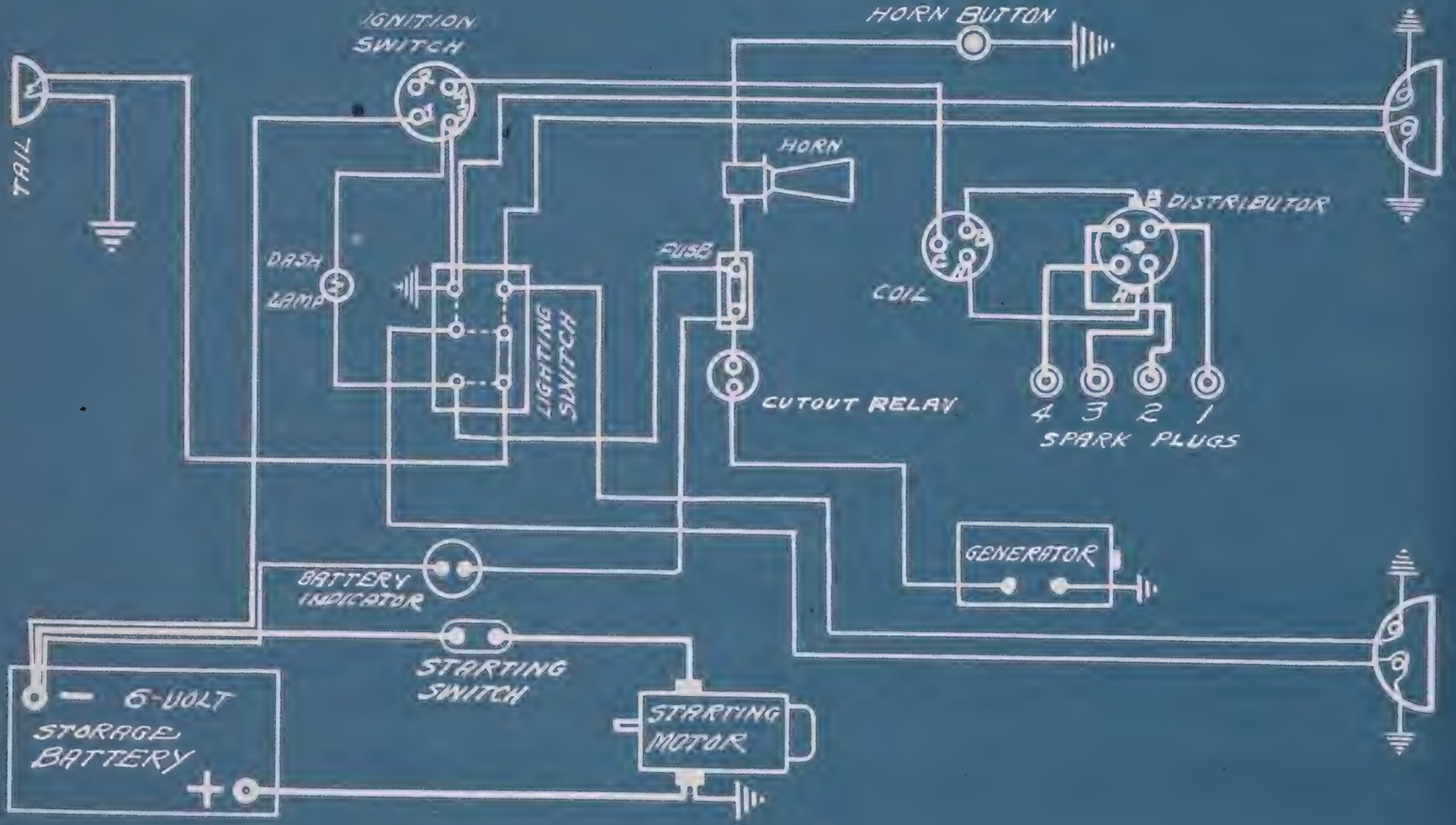
MOLINE-KNIGHT 1914-15 MK-50

WAGNER SYSTEM



MOLINE-KNIGHT MK-40-50 1916-17-18

WAGNER GENERATOR
AUTO-LITE STARTER
CONN. IGN.

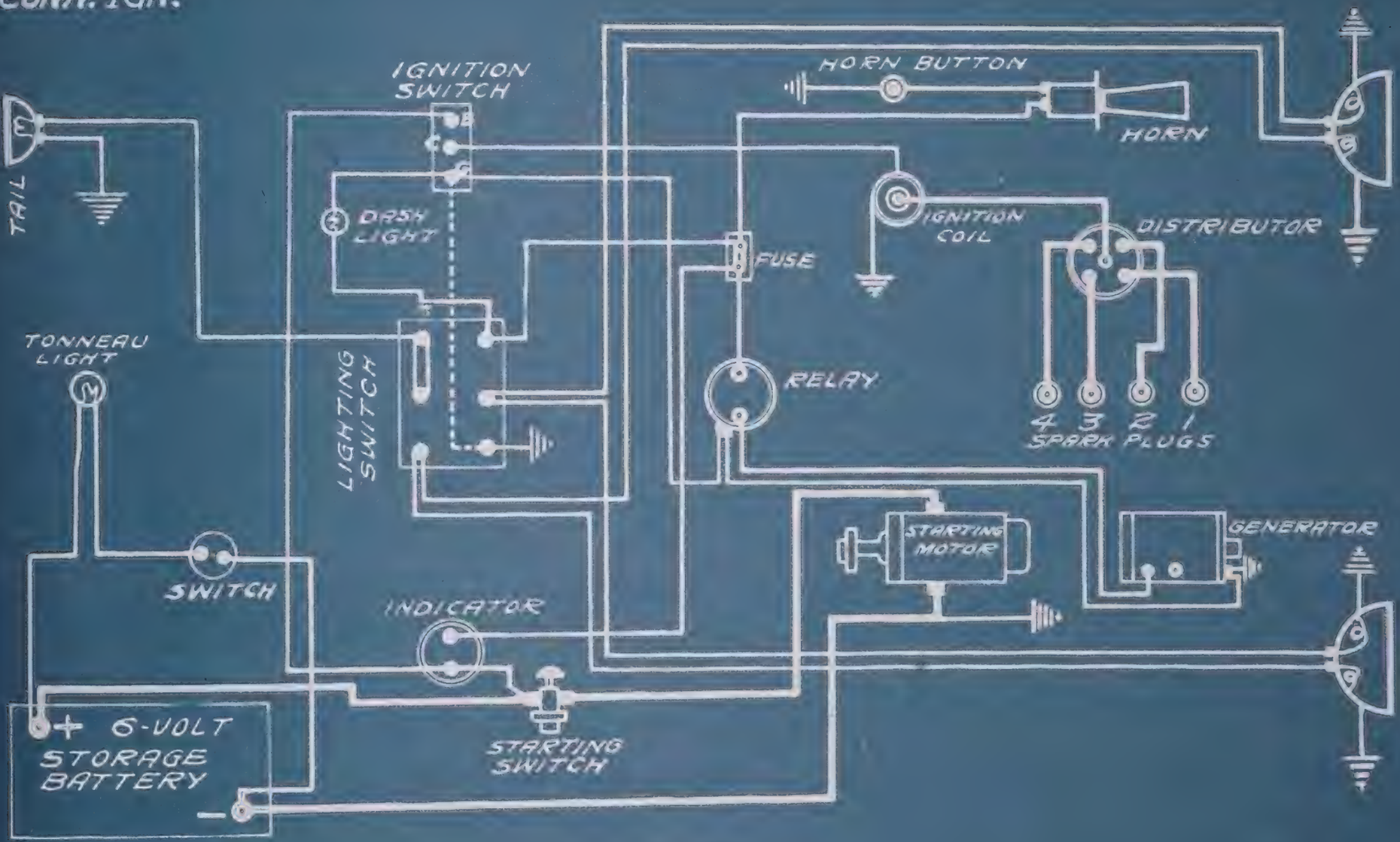


MOLINE-KNIGHT 1917-1918-19. "C & G"

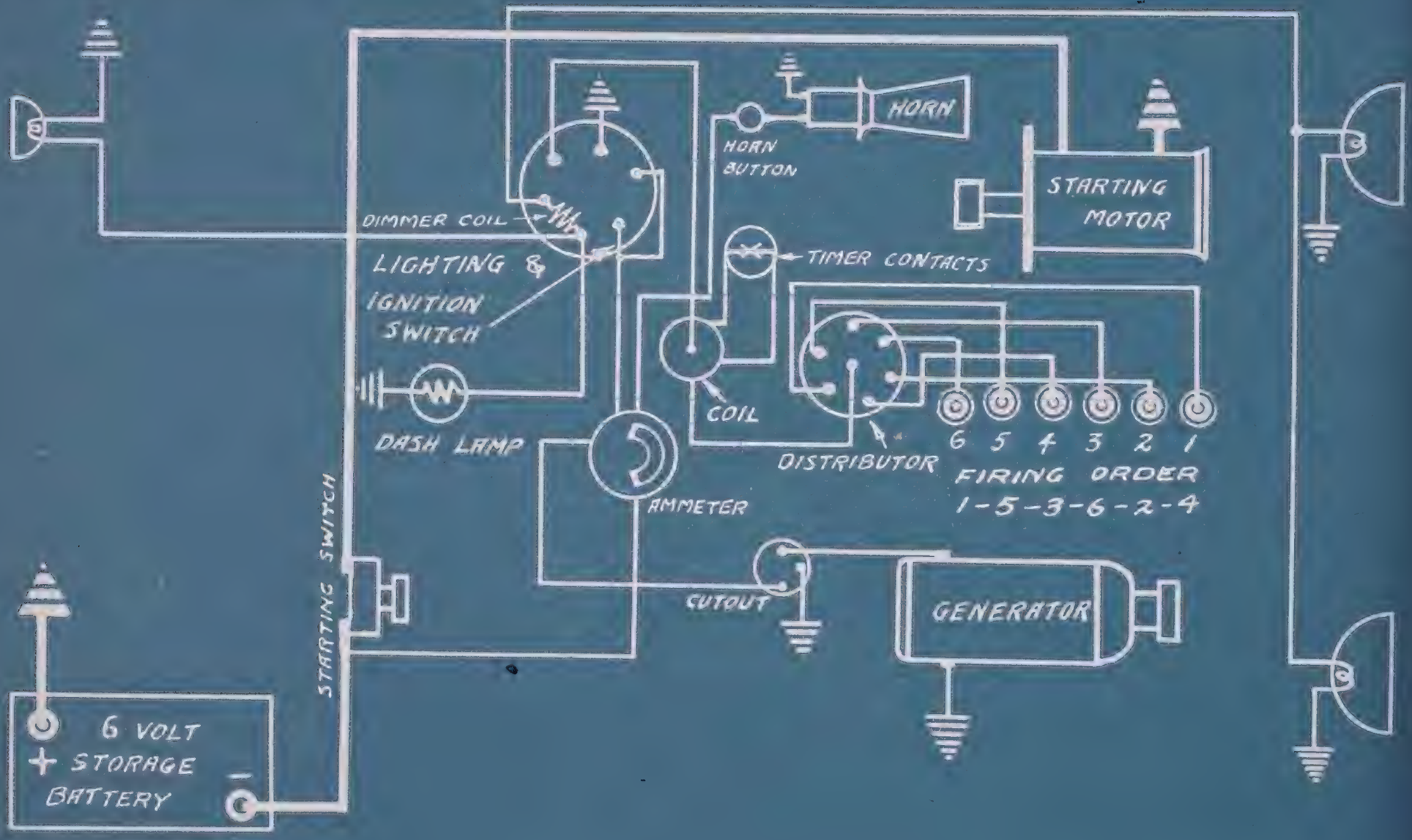
WAGNER GENERATOR

AUTO-LITE STARTER

CONN. IGN.



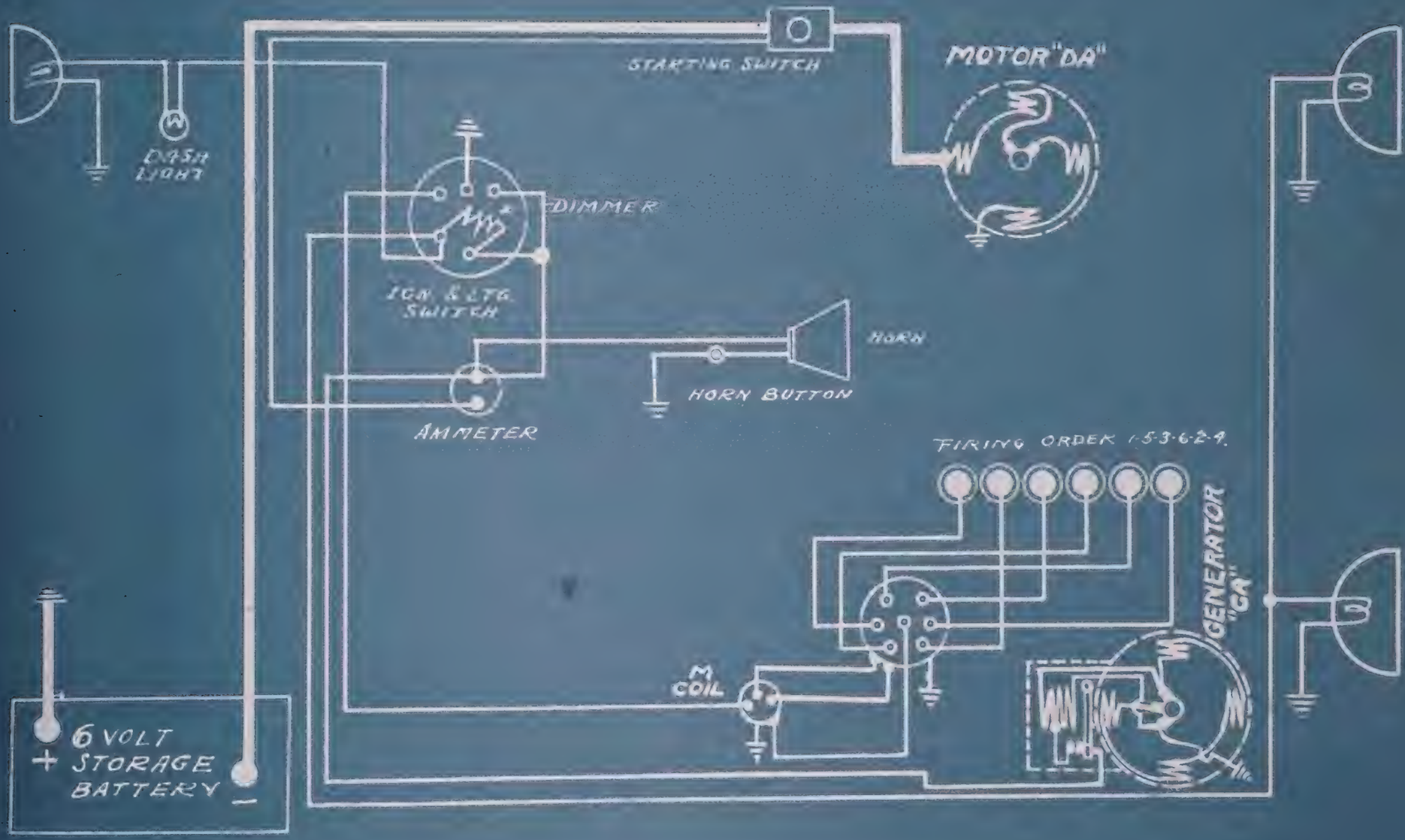
MONITOR 1919
DYNETO SYSTEM
CONN. IGNITION



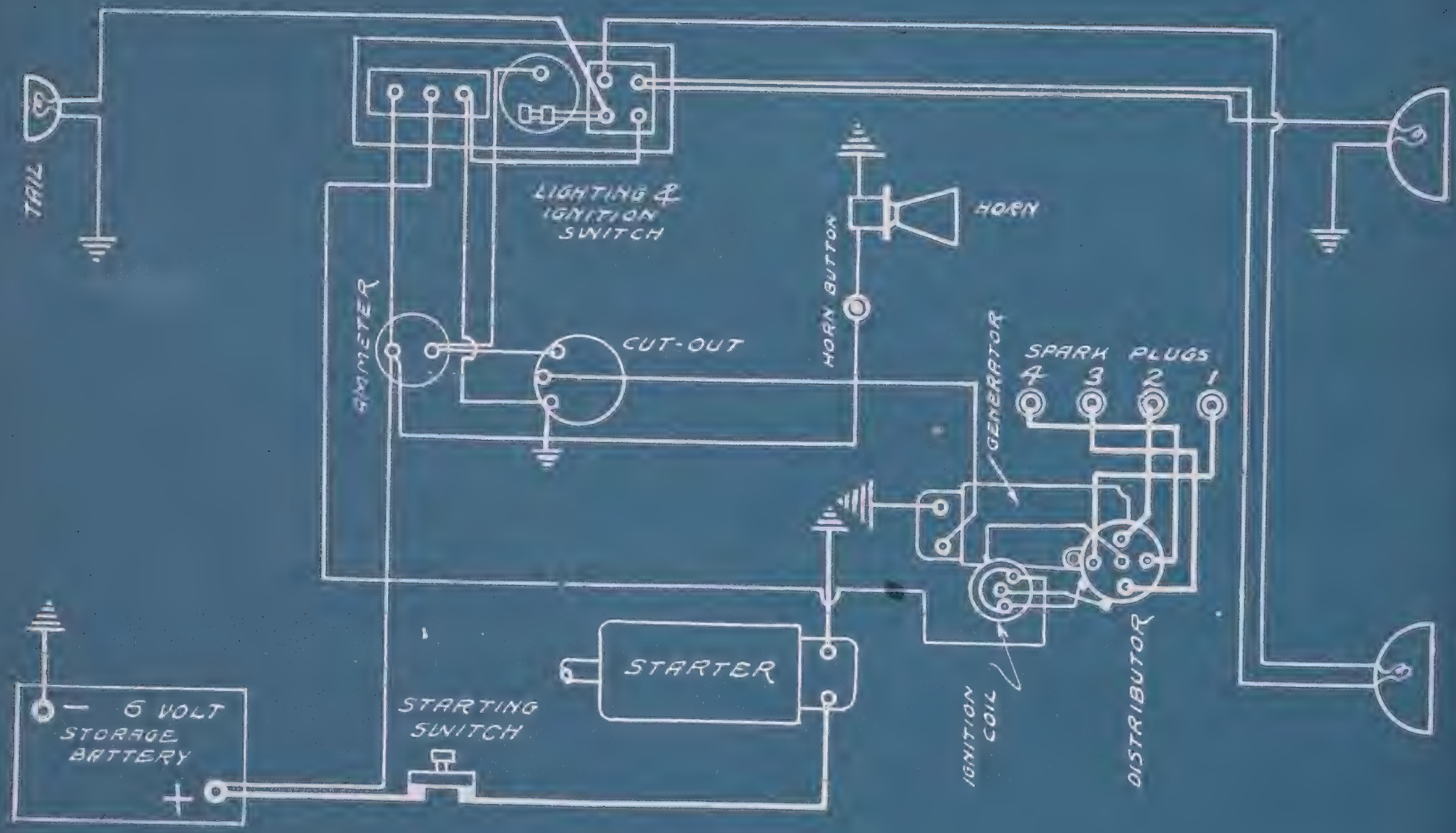
MONITOR "6" SERIES THREE 1919-1920

DYNETO START & LIGHT

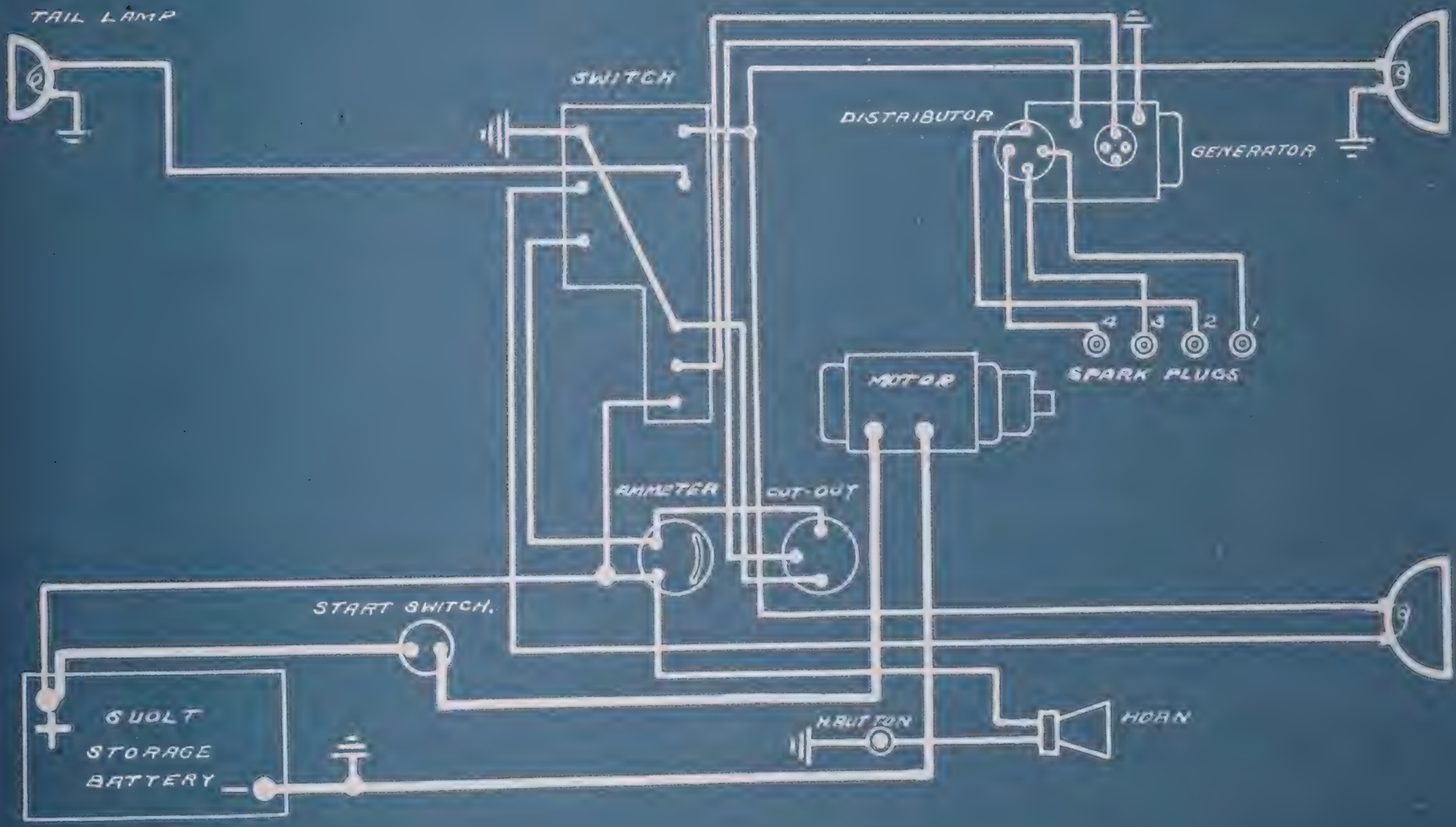
CONN. IGN.



MONROE 1916 M-2
AUTOLITE SYSTEM - CONN. IGN.



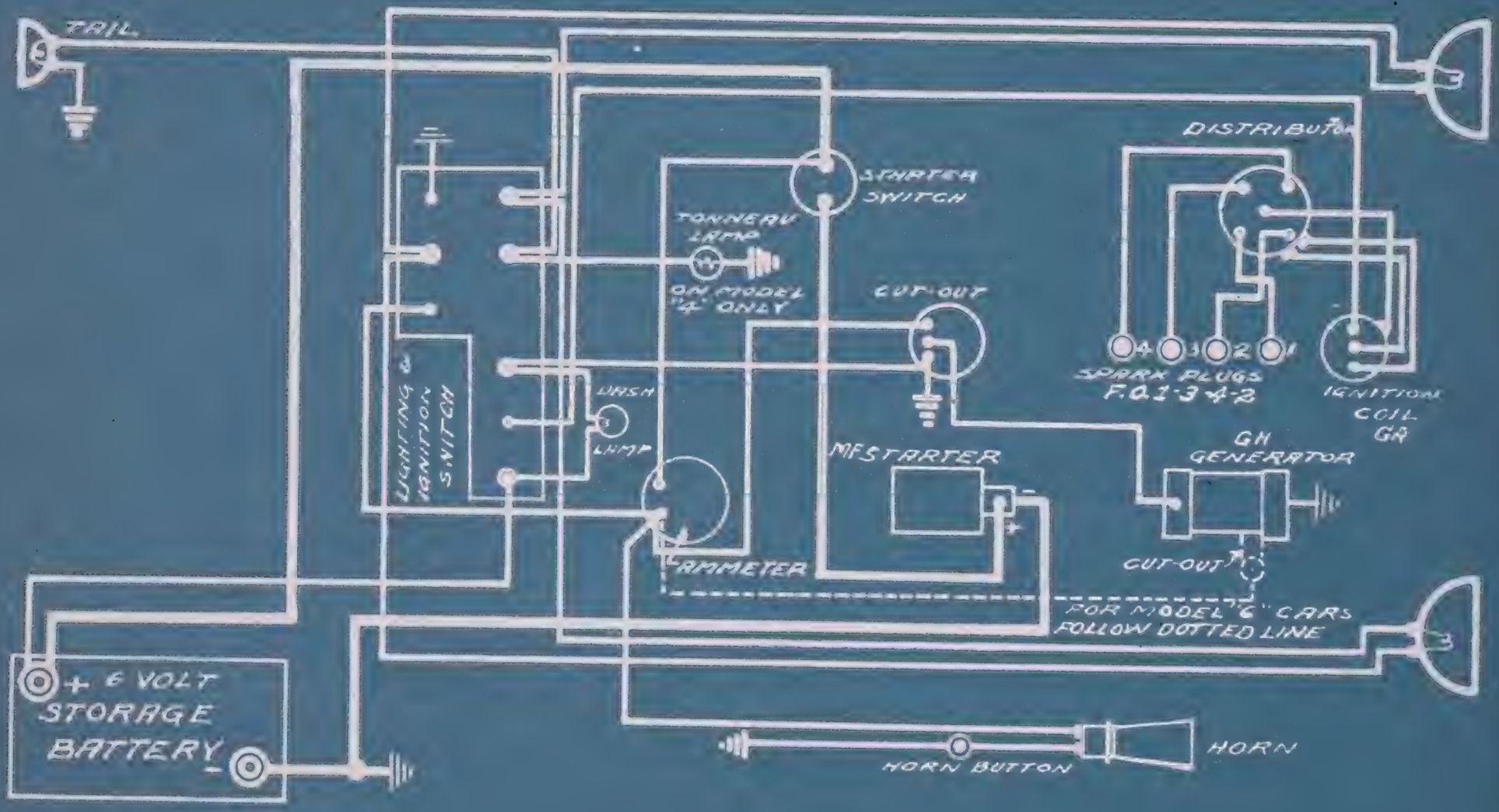
MONROE M4 & 6 1917
AUTOLITE SYSTEM - CONN. IGN.



MONROE 1917-18 MODELS 4 & 6

AUTOLITE SYSTEM

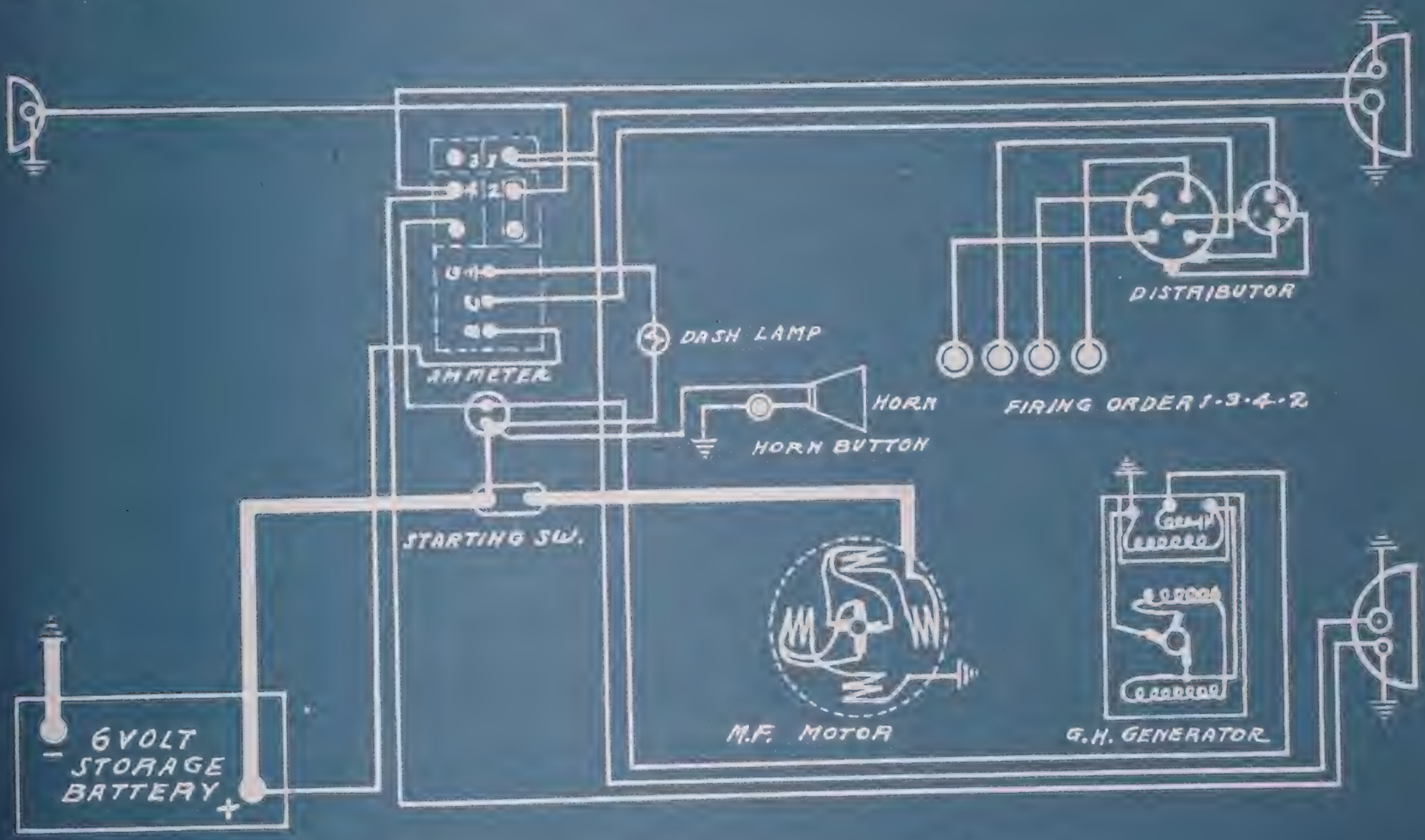
CONN. IGN.



MONROE "S" 1919-20-21

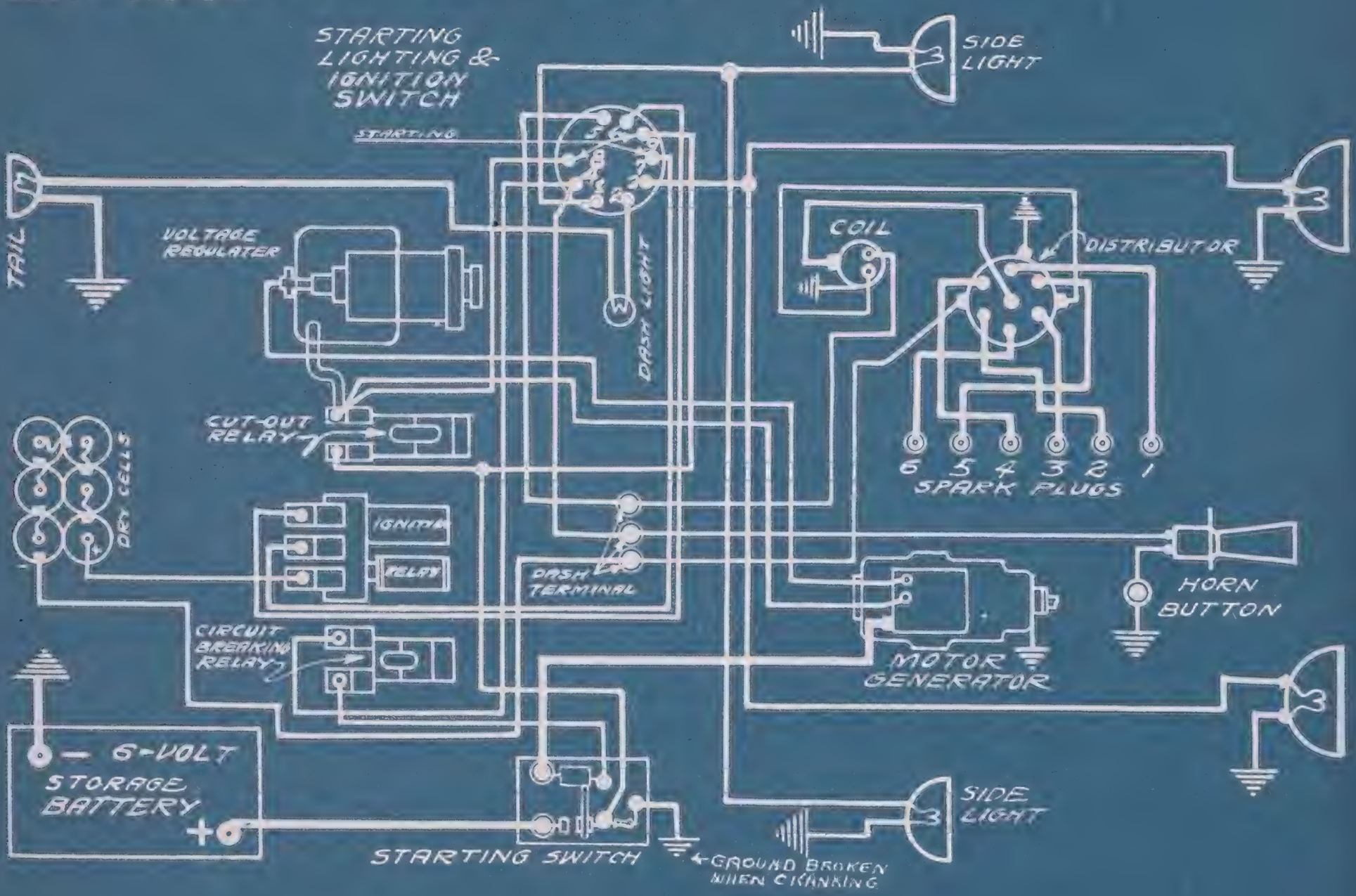
AUTOLITE SYSTEM

CONN. IGN.



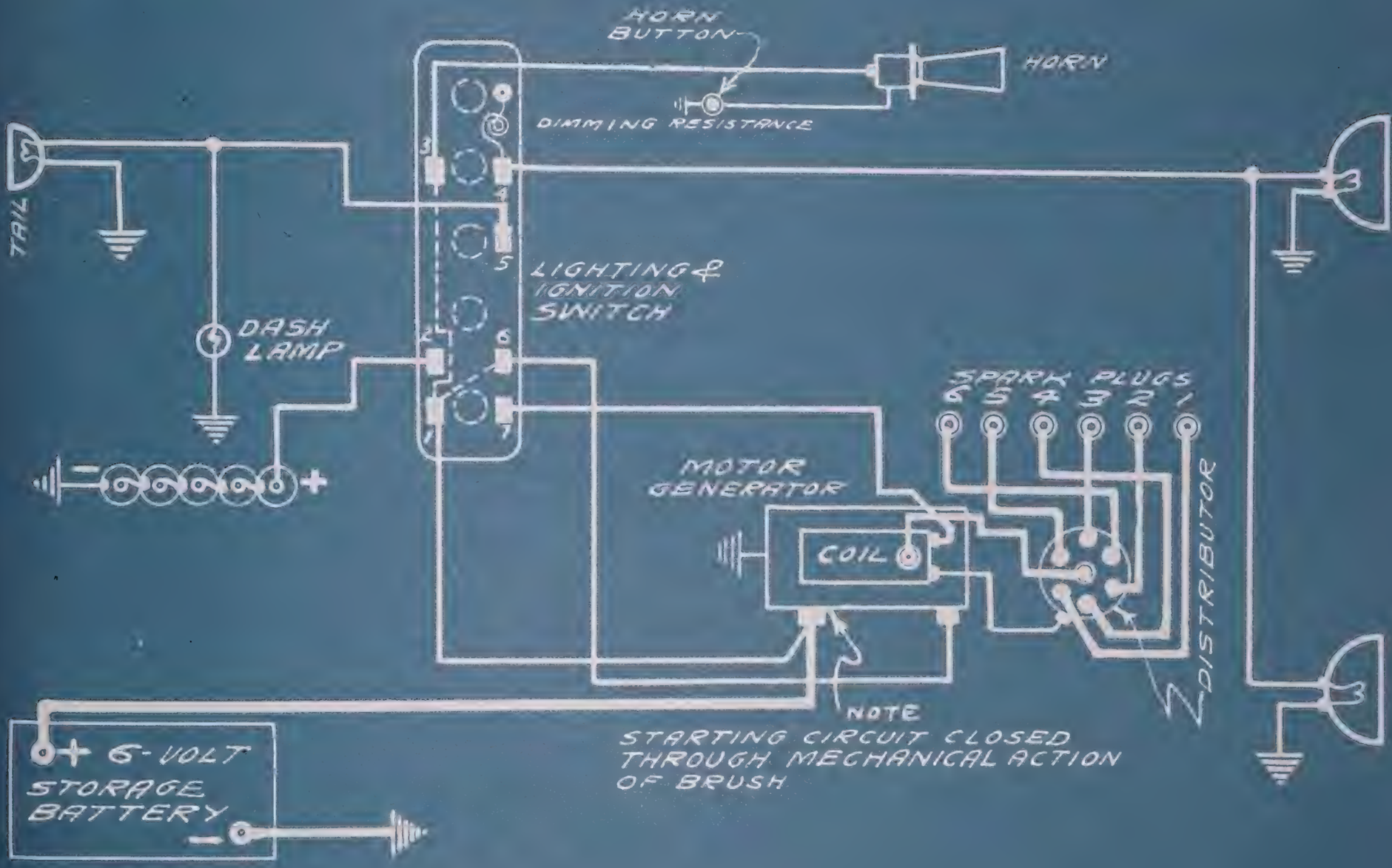
MOON 1914 "42" "6-50"

DELCO SYSTEM

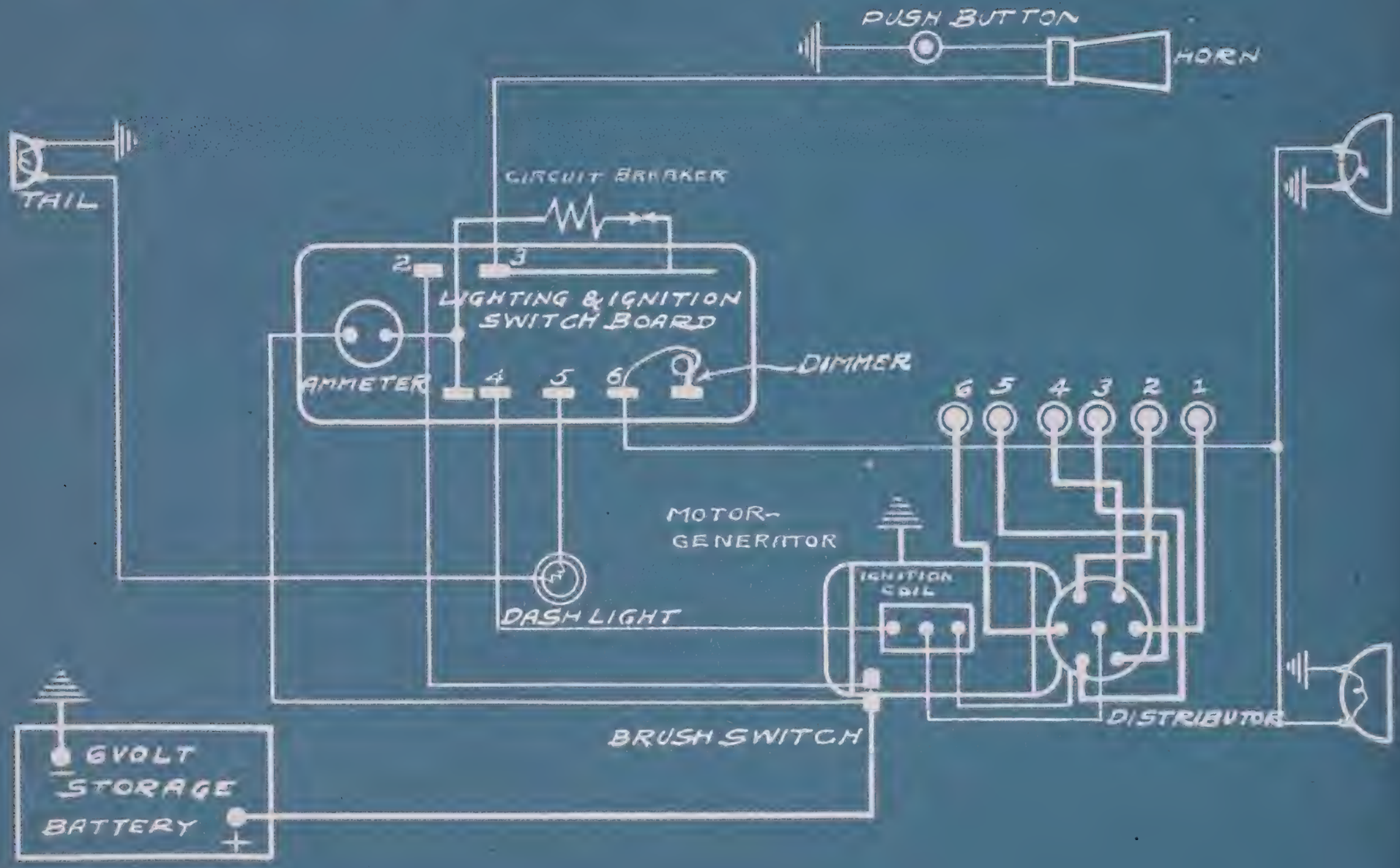


MOON 1915 4-38 6-40

DELCO SYSTEM

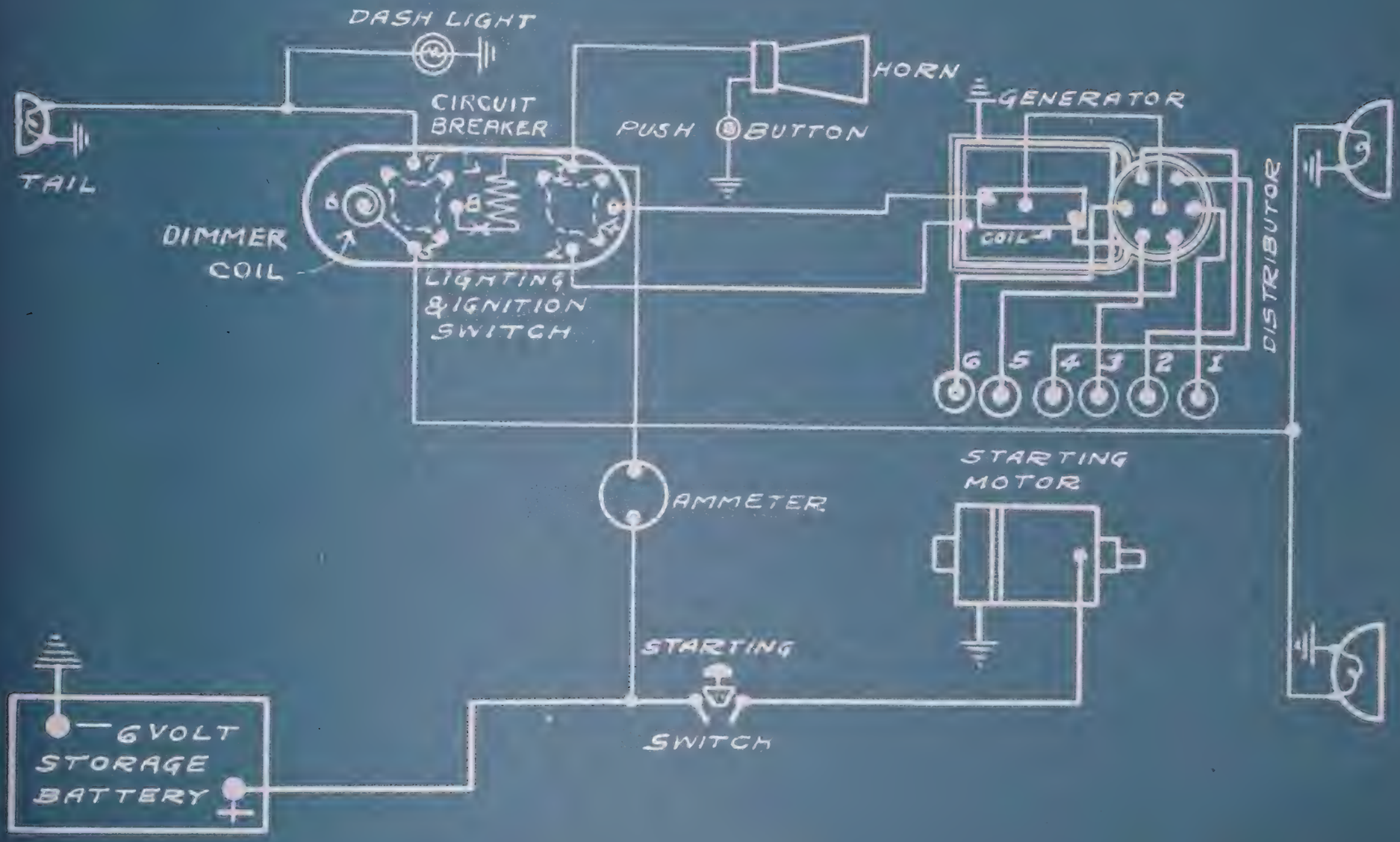


MOON 1916 6-30+6-40
DELCO SYSTEM



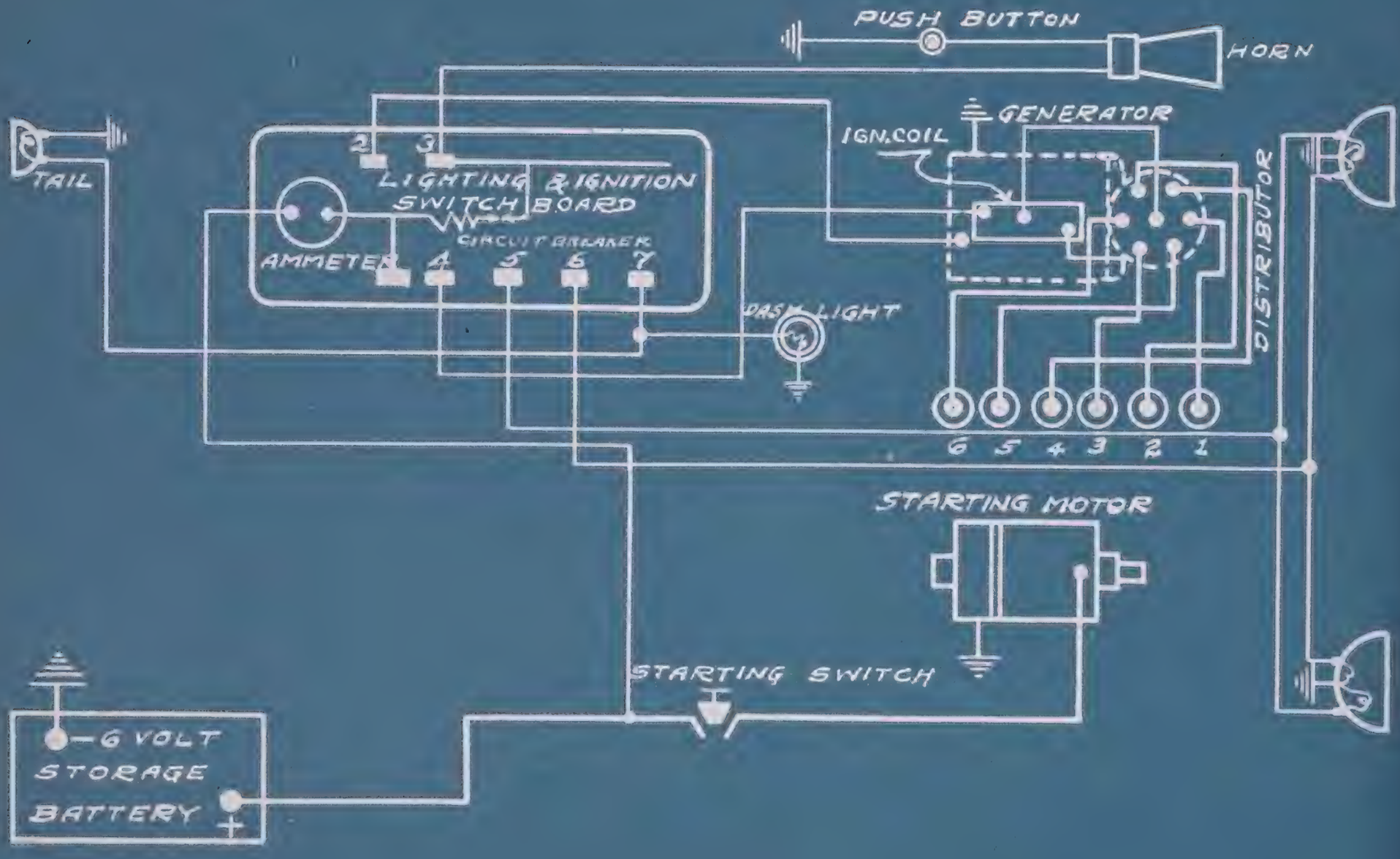
MOON 1917-18 6-43

DELCO SYSTEM

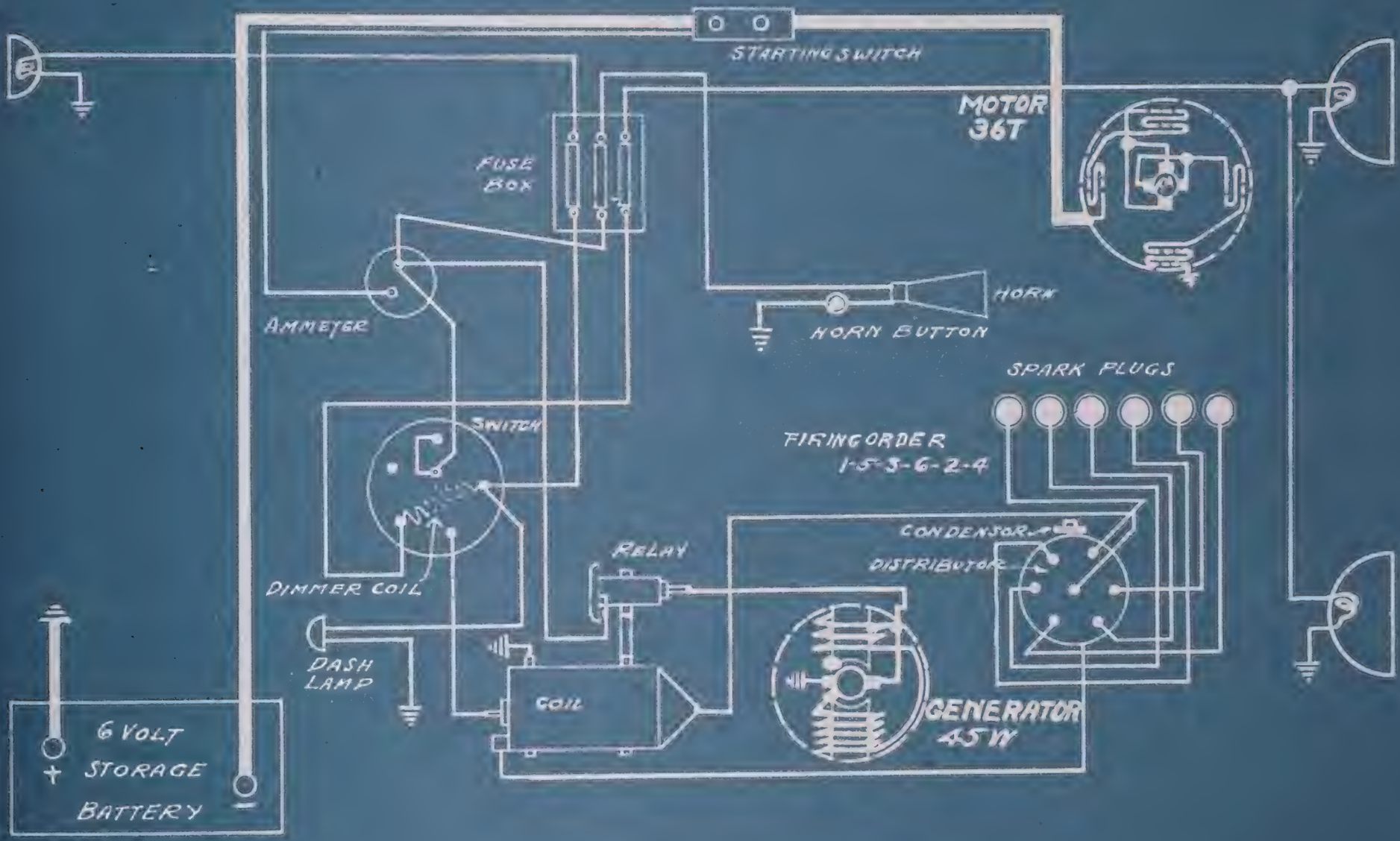


MOON
DELCO SYSTEM

1917-18-19 "6-66"

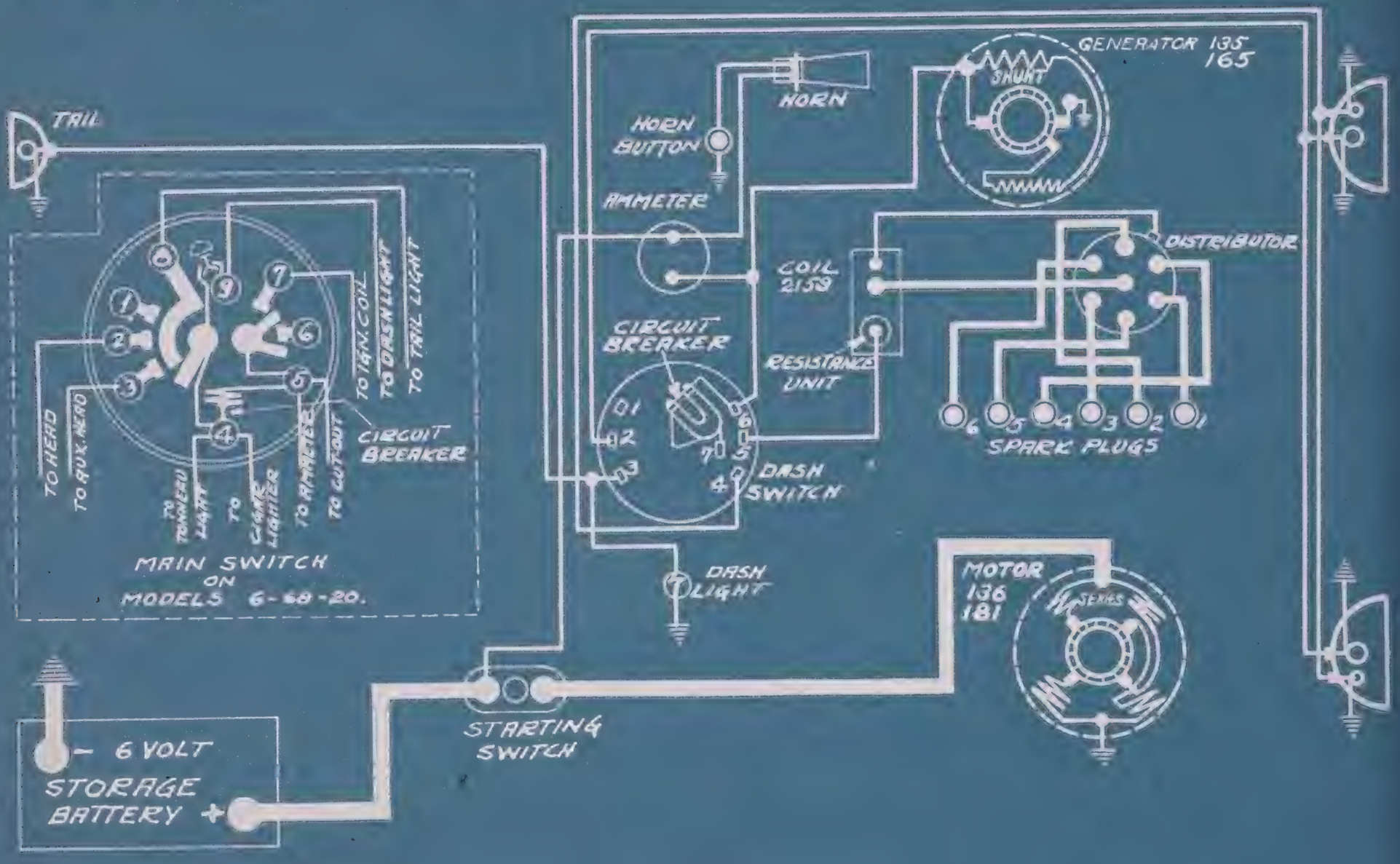


MOON "VICTORY" 1919-20
WAGNER SYSTEM



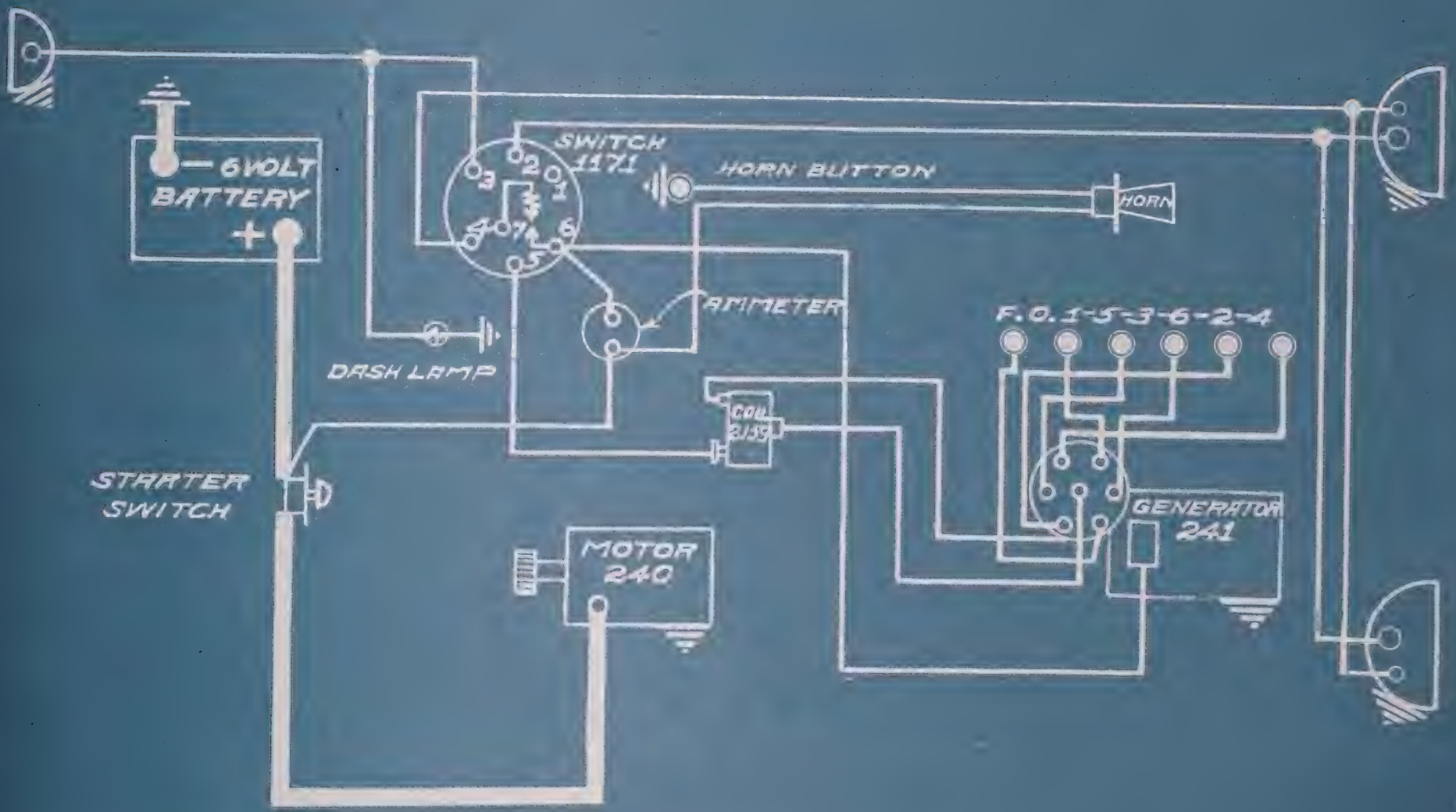
MOON "6-48" & "6-68" 1920-1921-1922

DELCO SYSTEM



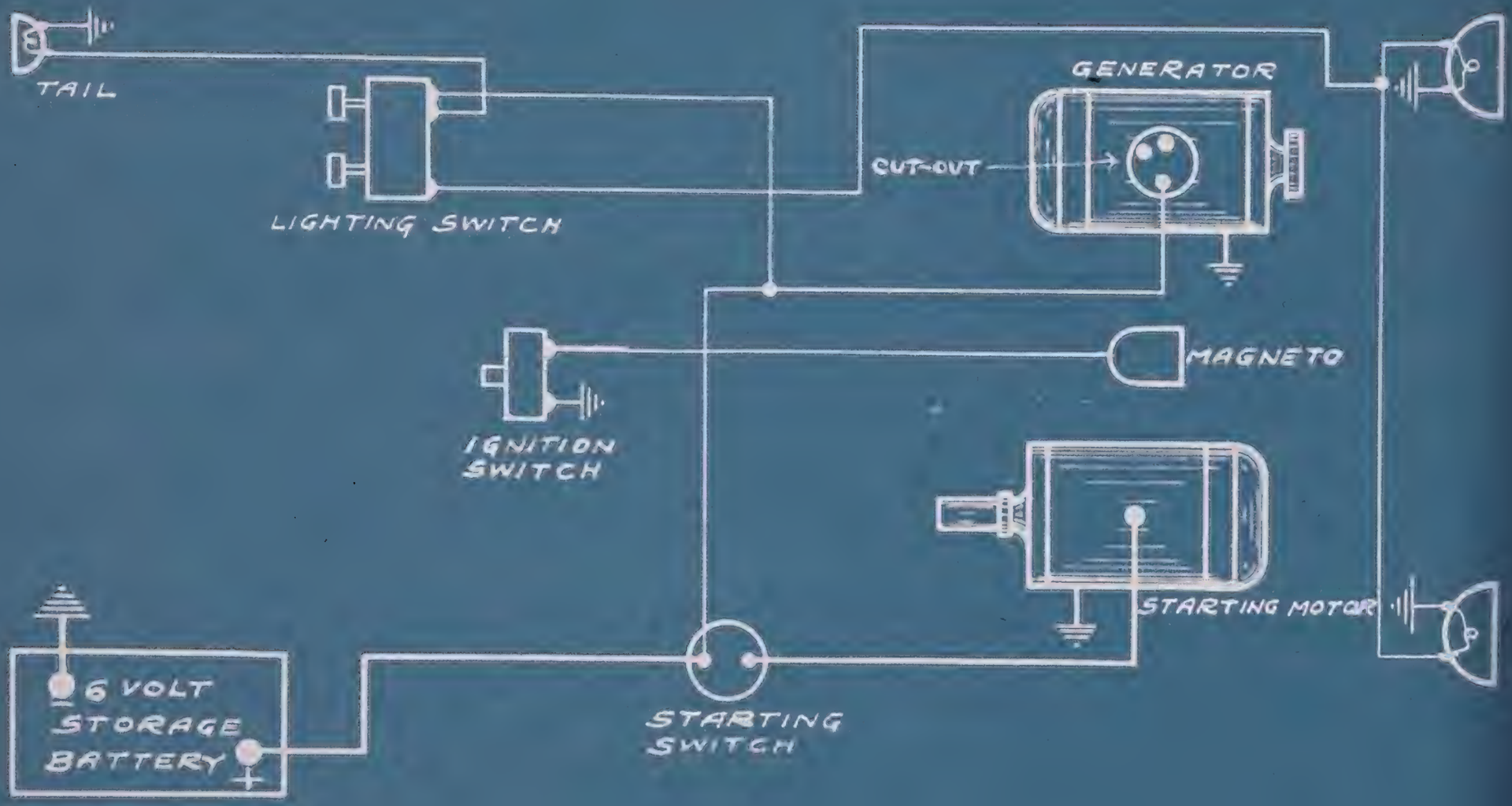
MOON "6-40" 1922

DELCO SYSTEM



MOORE 1917-18 30

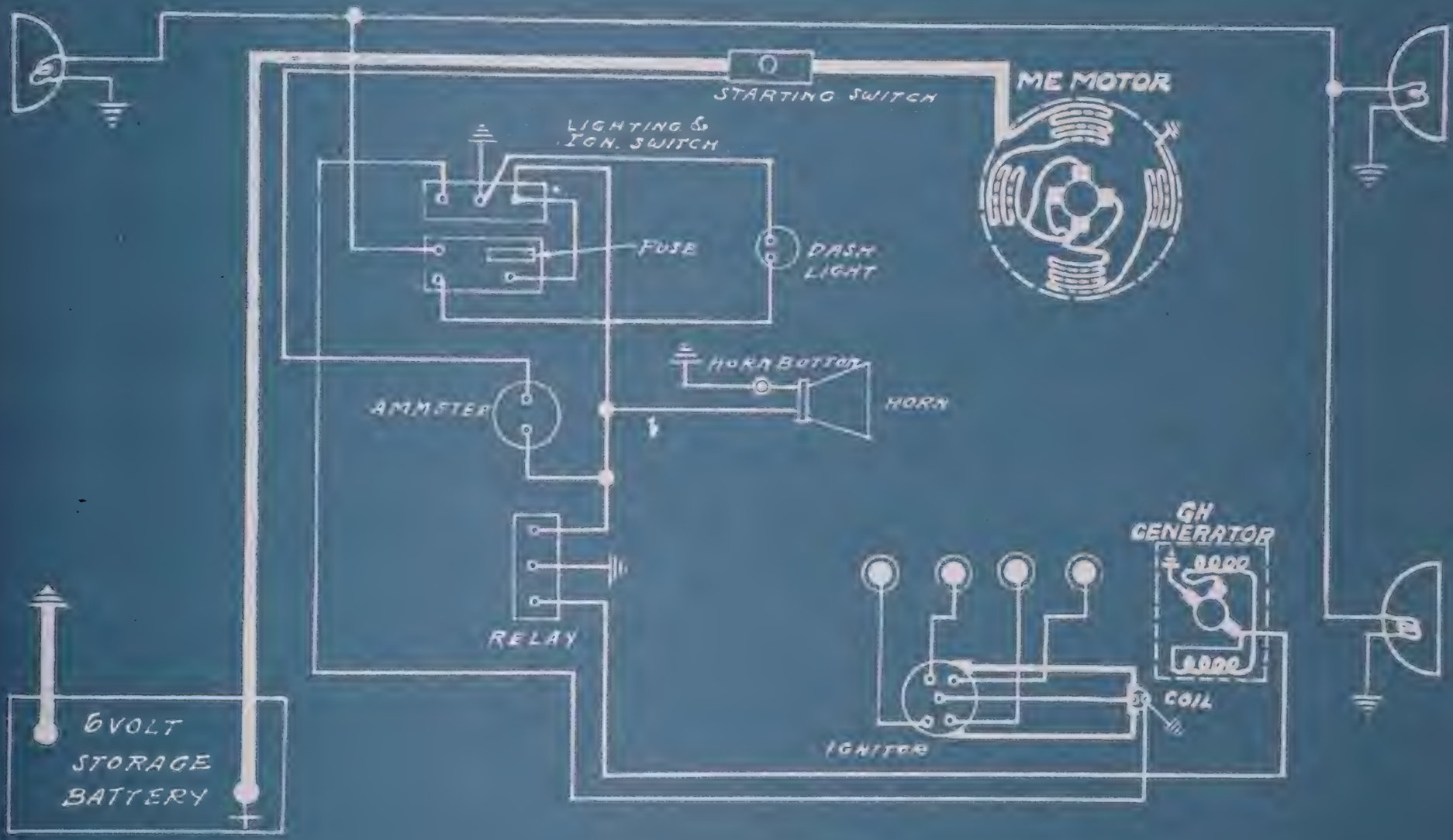
DYNETO SYSTEM



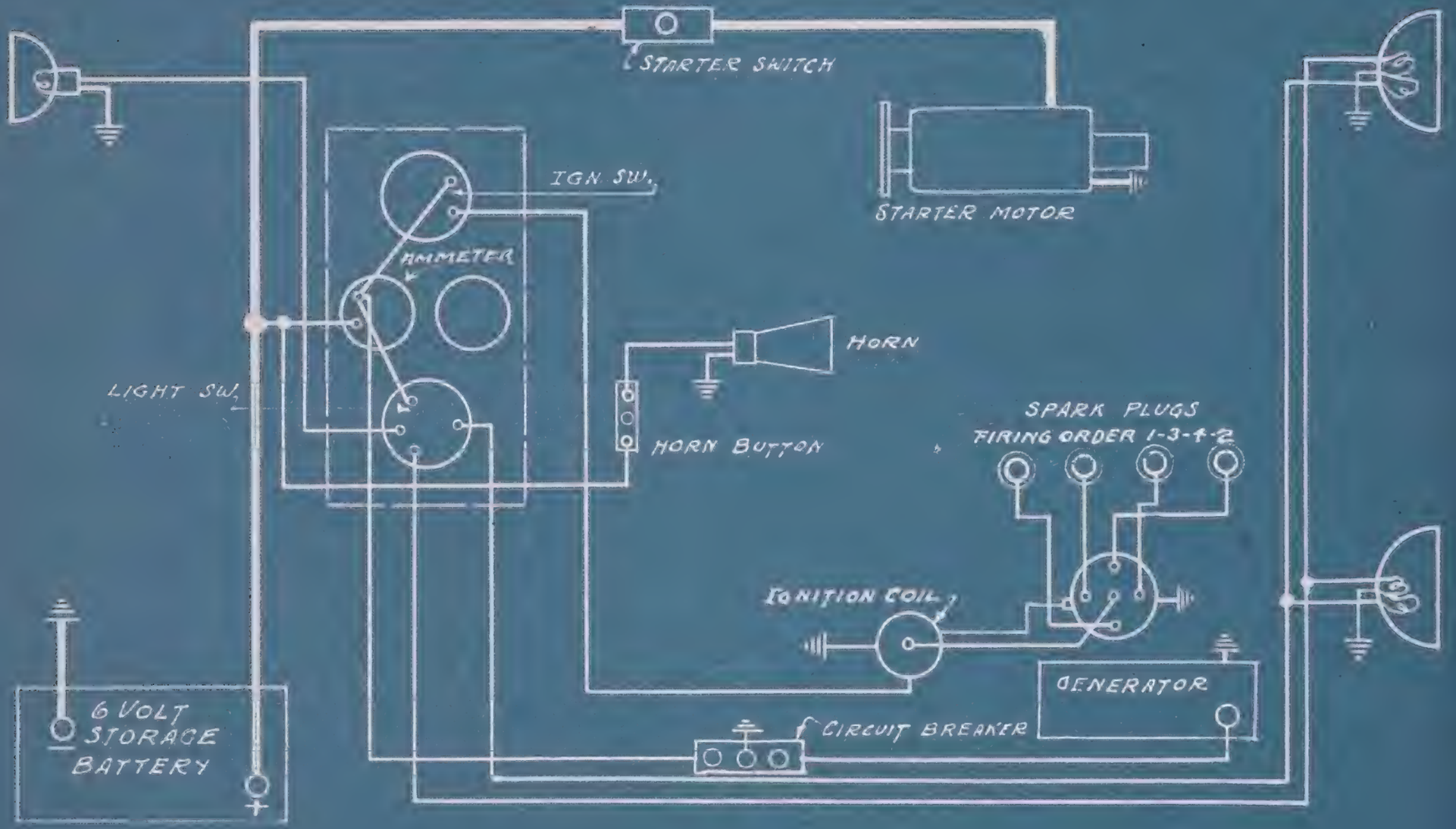
MOORE MODEL "F" 1919-1920

AUTO LITE STARTING & LIGHTING

CONN IGN.

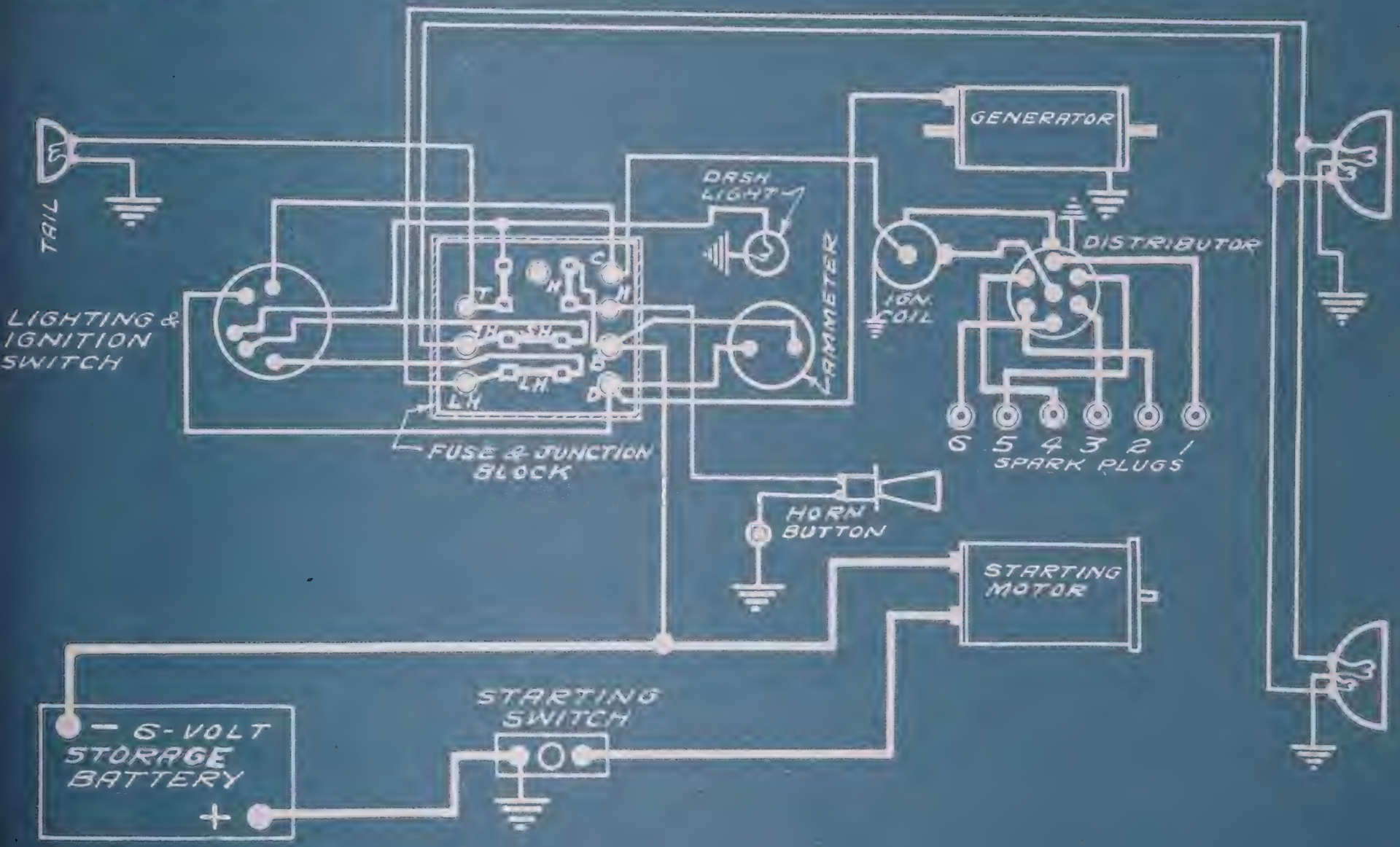


NAPOLEON
AUTO-LITE STARTING AND LIGHTING - CONN. IGN.



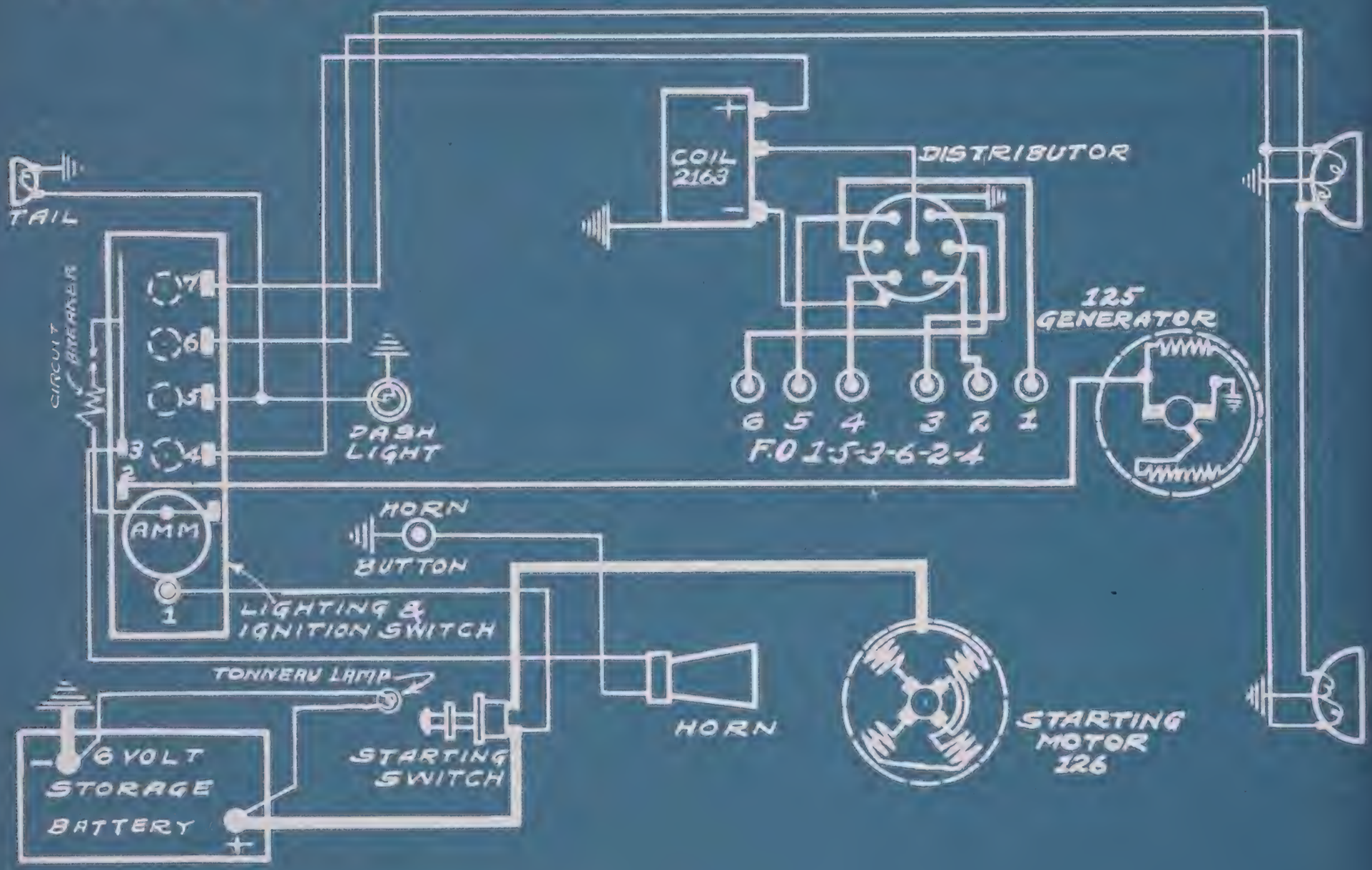
NASH 1917 "671"

BIJUR SYSTEM
DELCO IGNITION



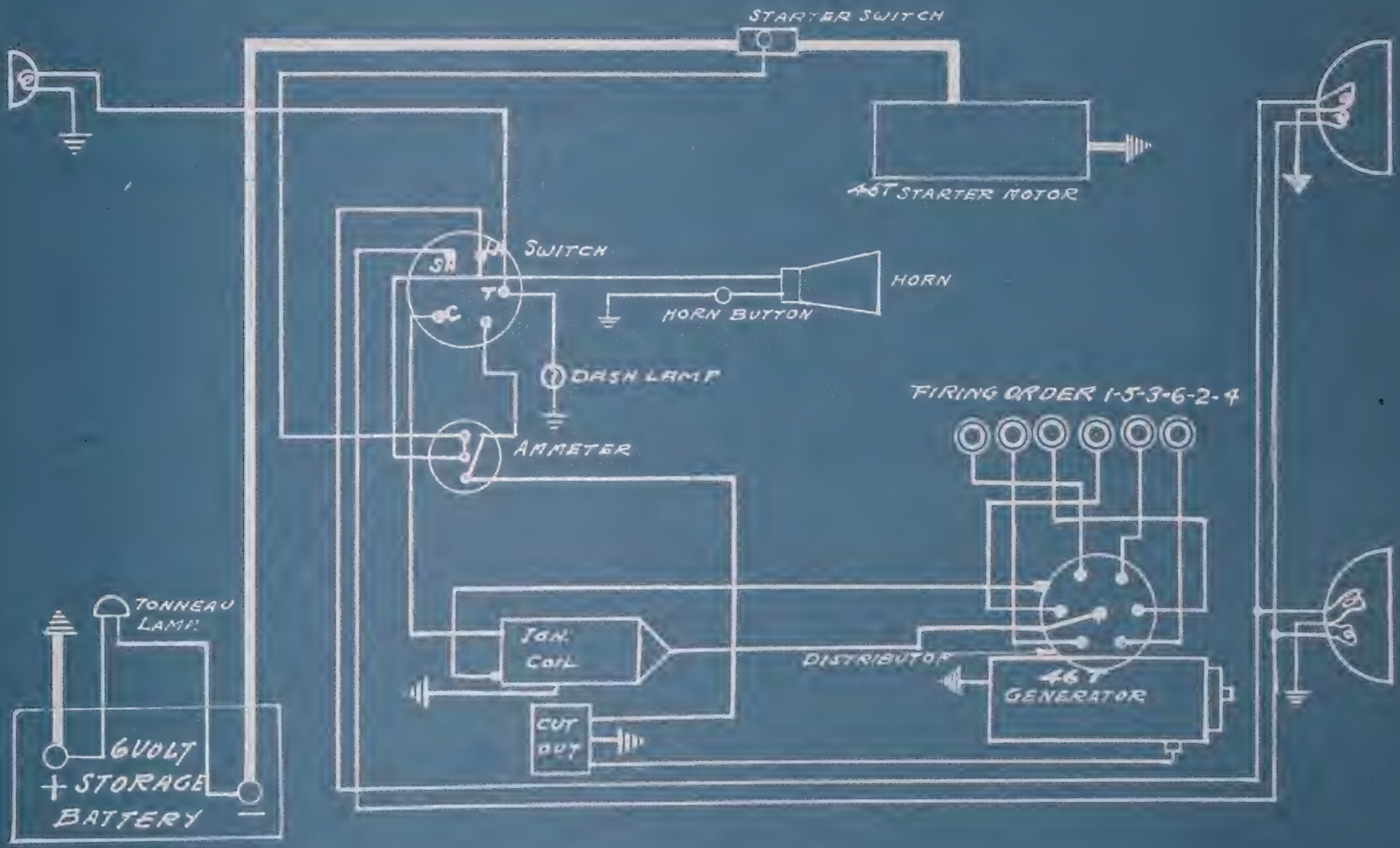
NASH 1917-18 "681-2-3-4" 1919-1920 "685-6-7."

DELCO SYSTEM.

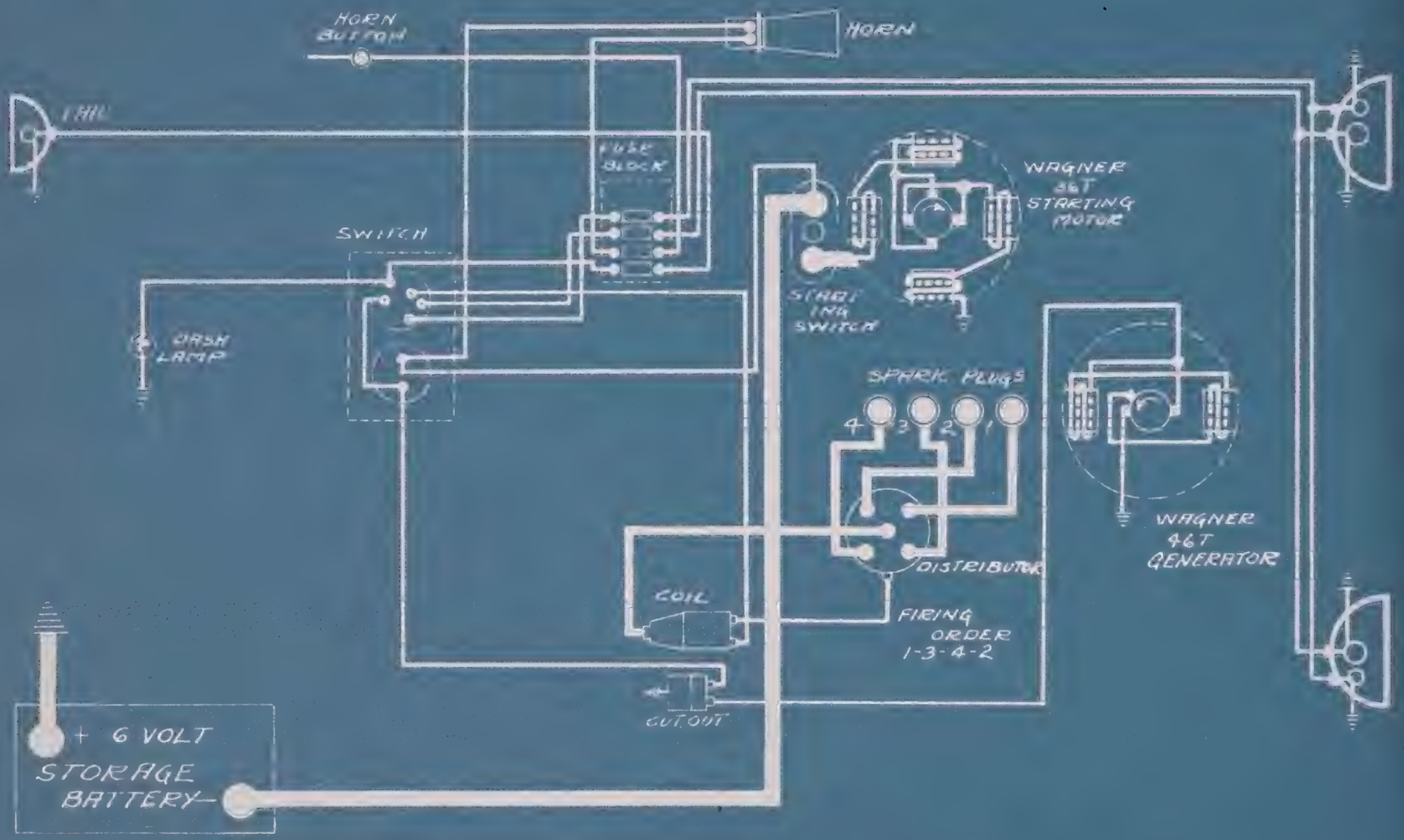


NASH "6" MODEL 681 to 687 1919-20

WAGNER SYSTEM

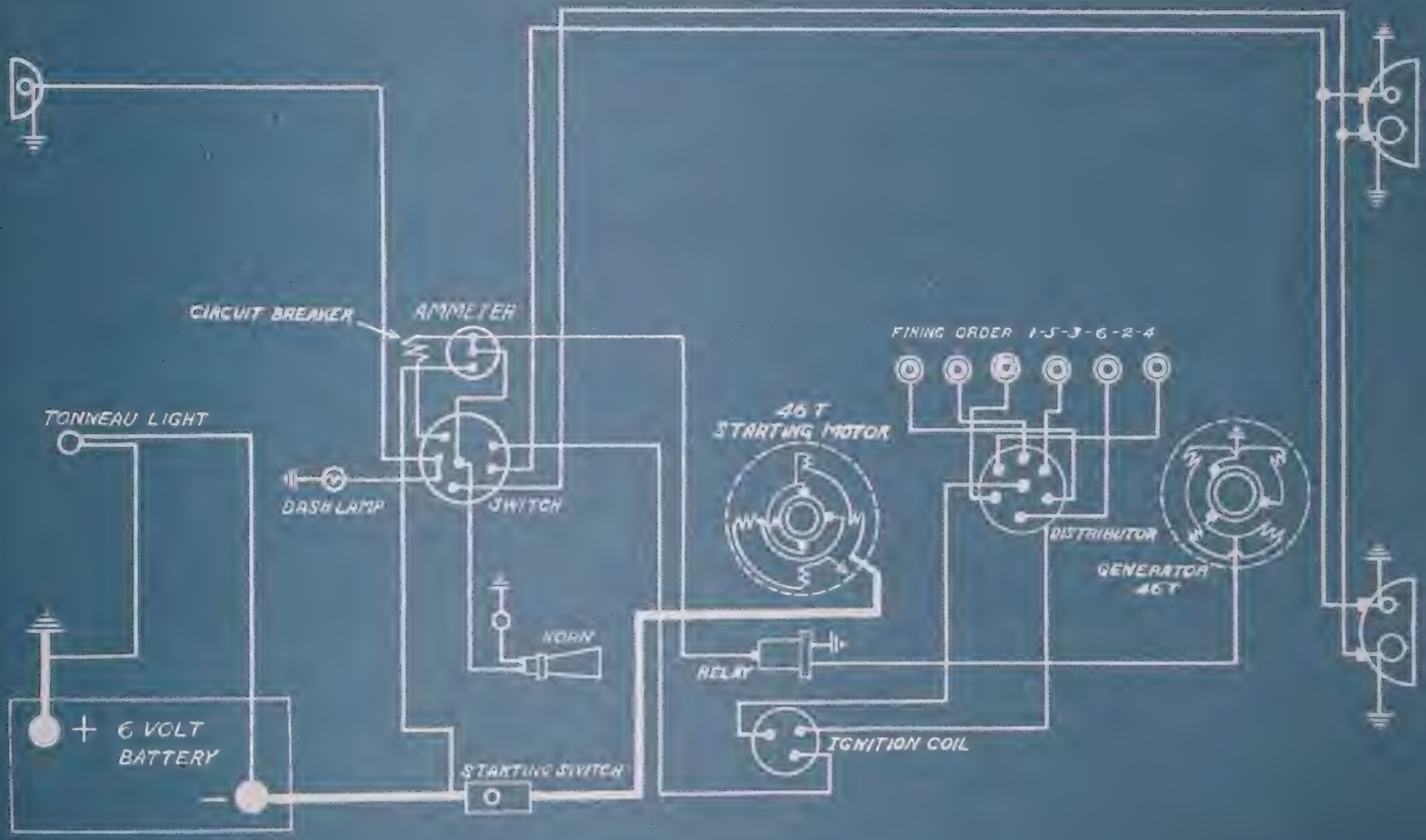


NASH "41" 1920 1921
WAGNER SYSTEM

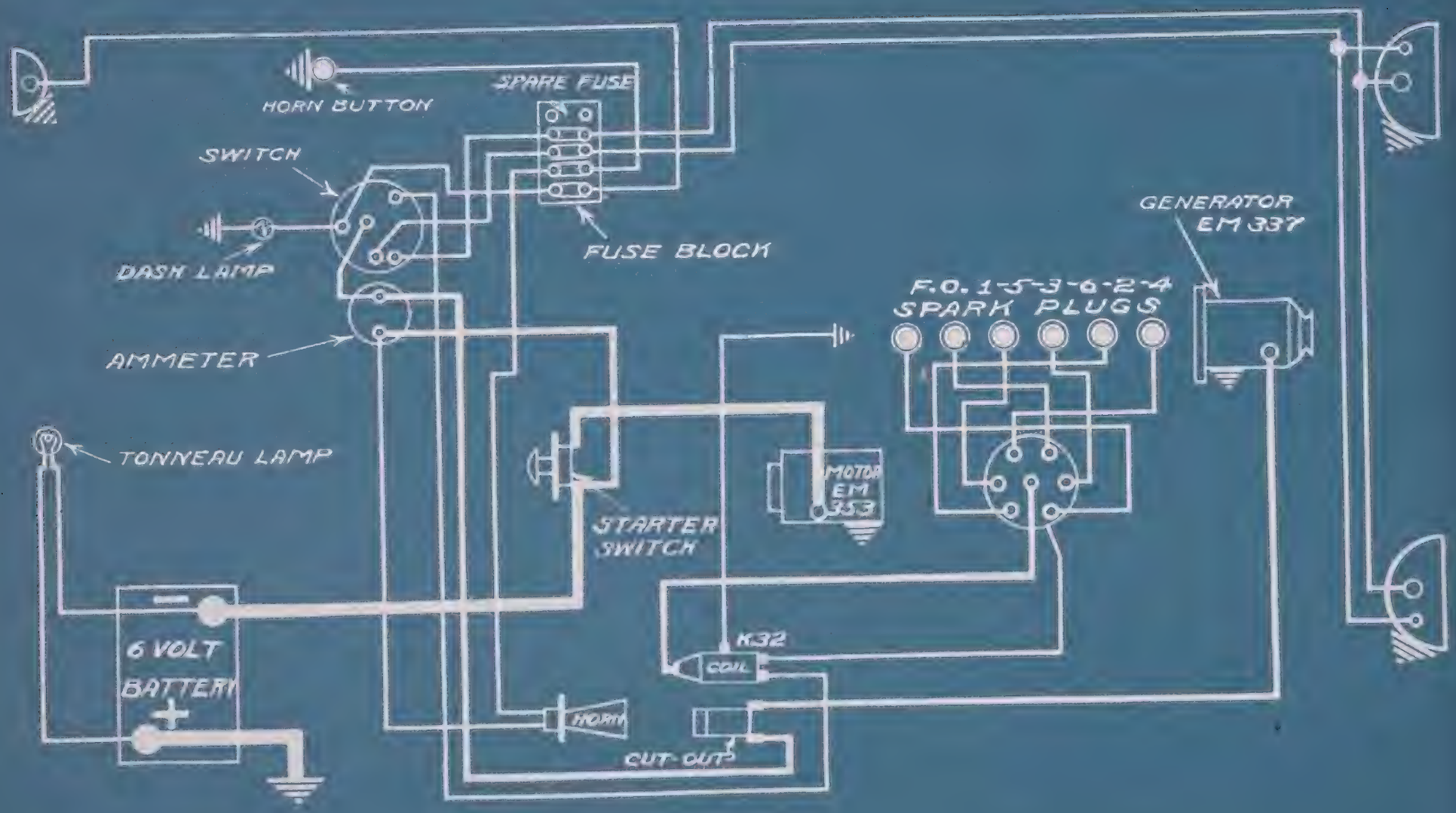


NASH "6" MODEL 681 1920-1921

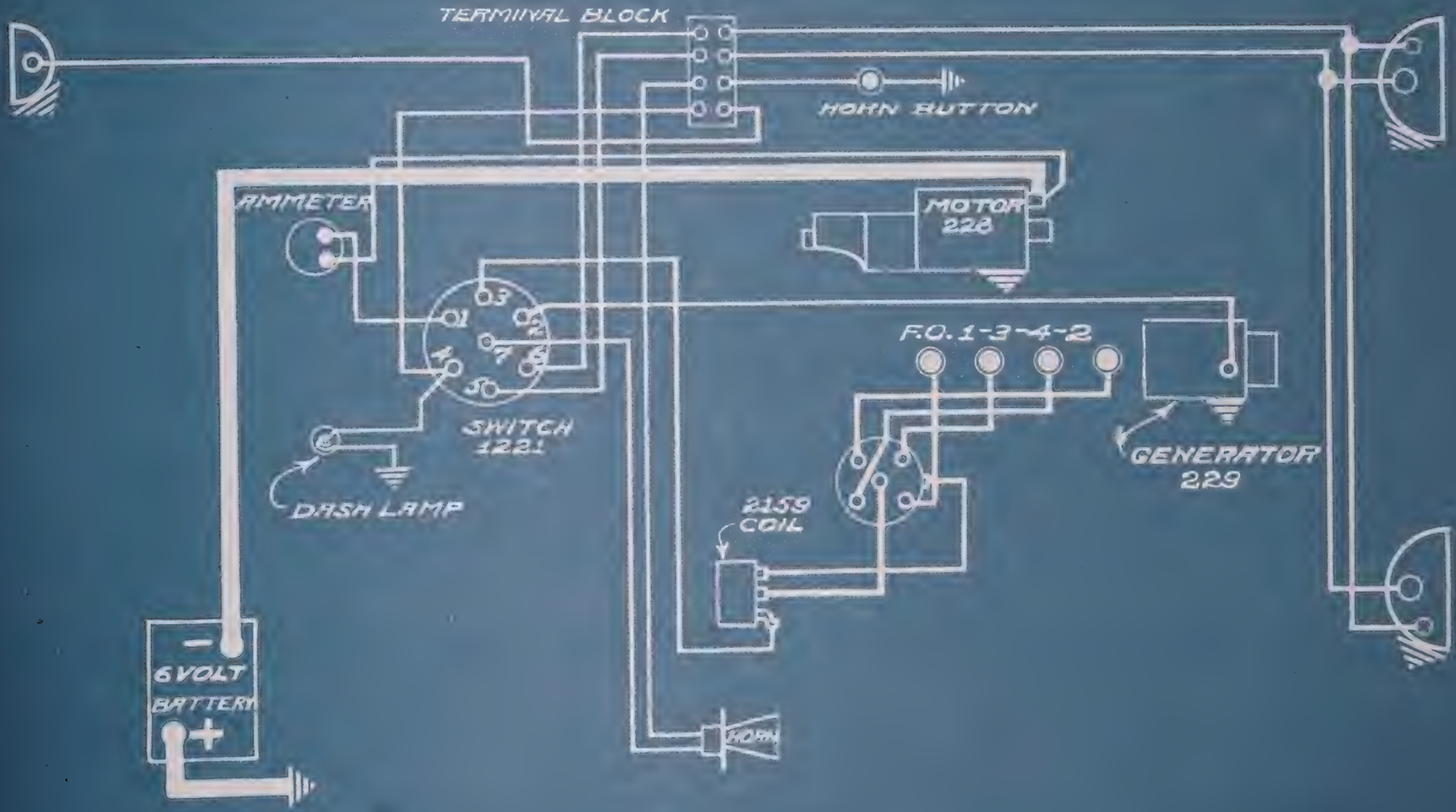
WAGNER SYSTEM



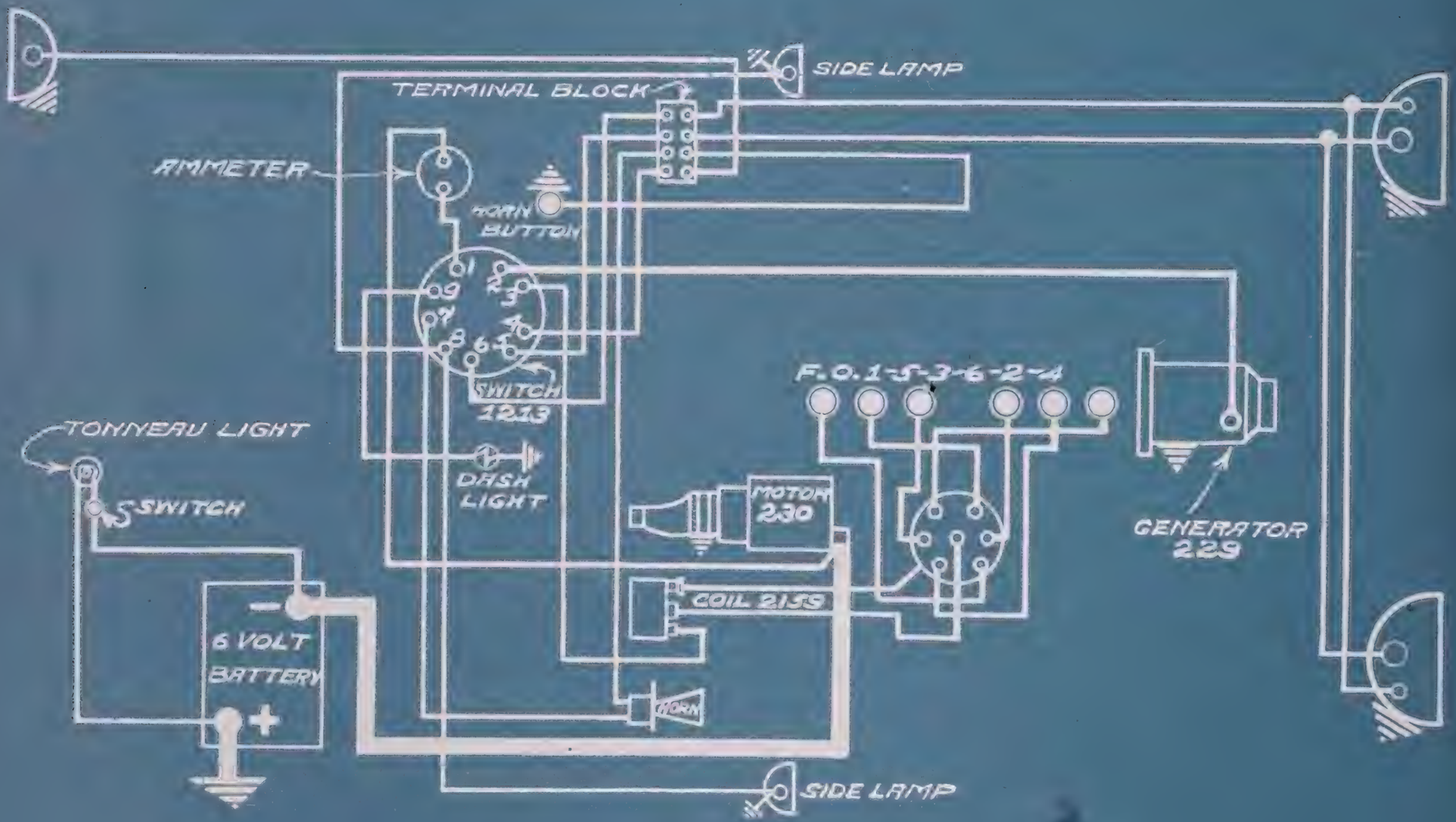
NASH "SIX" 1921
WAGNER SYSTEM



NASH "41" 1922
DELCO SYSTEM

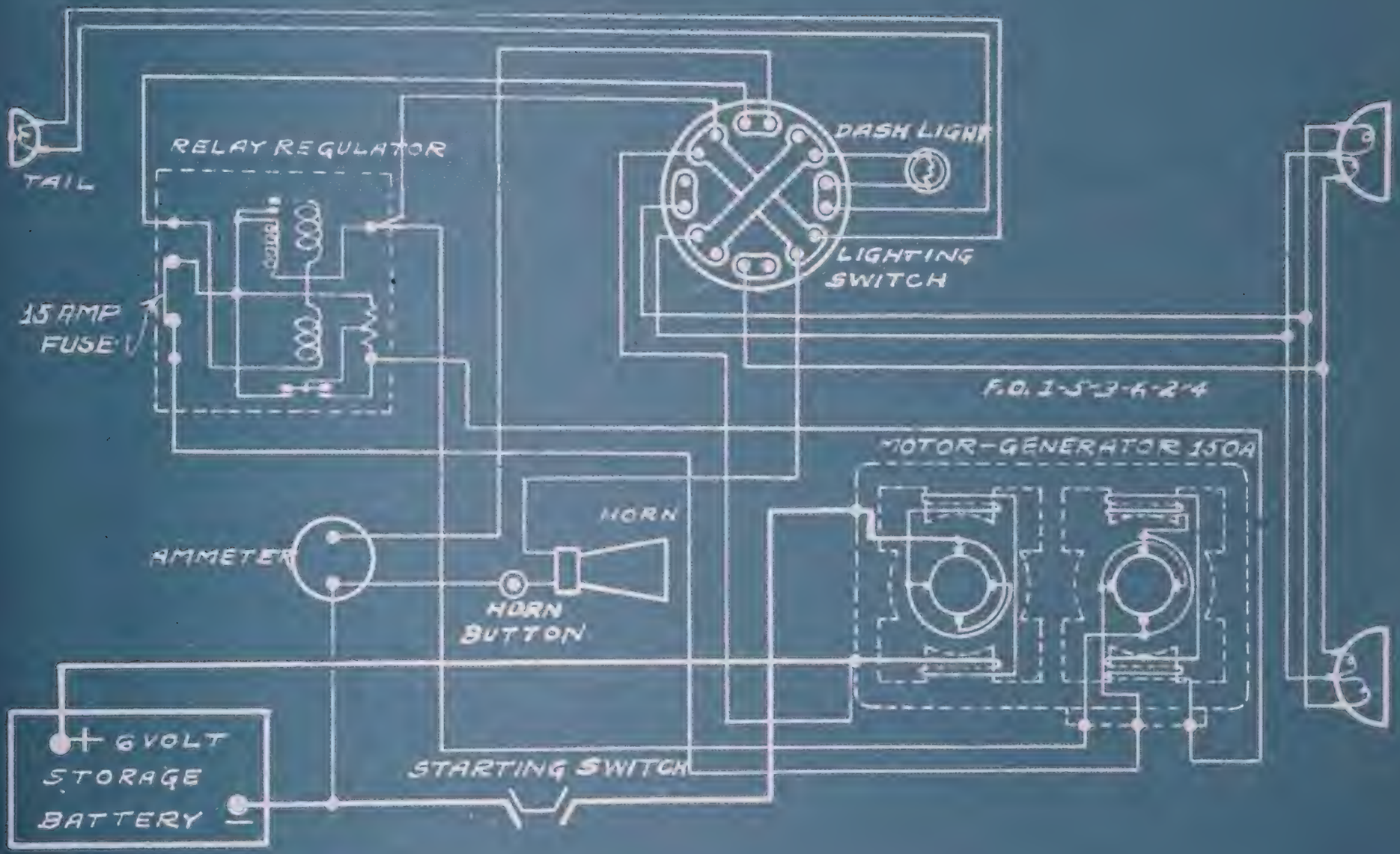


NASH SIX 1922
DELCO SYSTEM



NATIONAL 1914 "SIX"

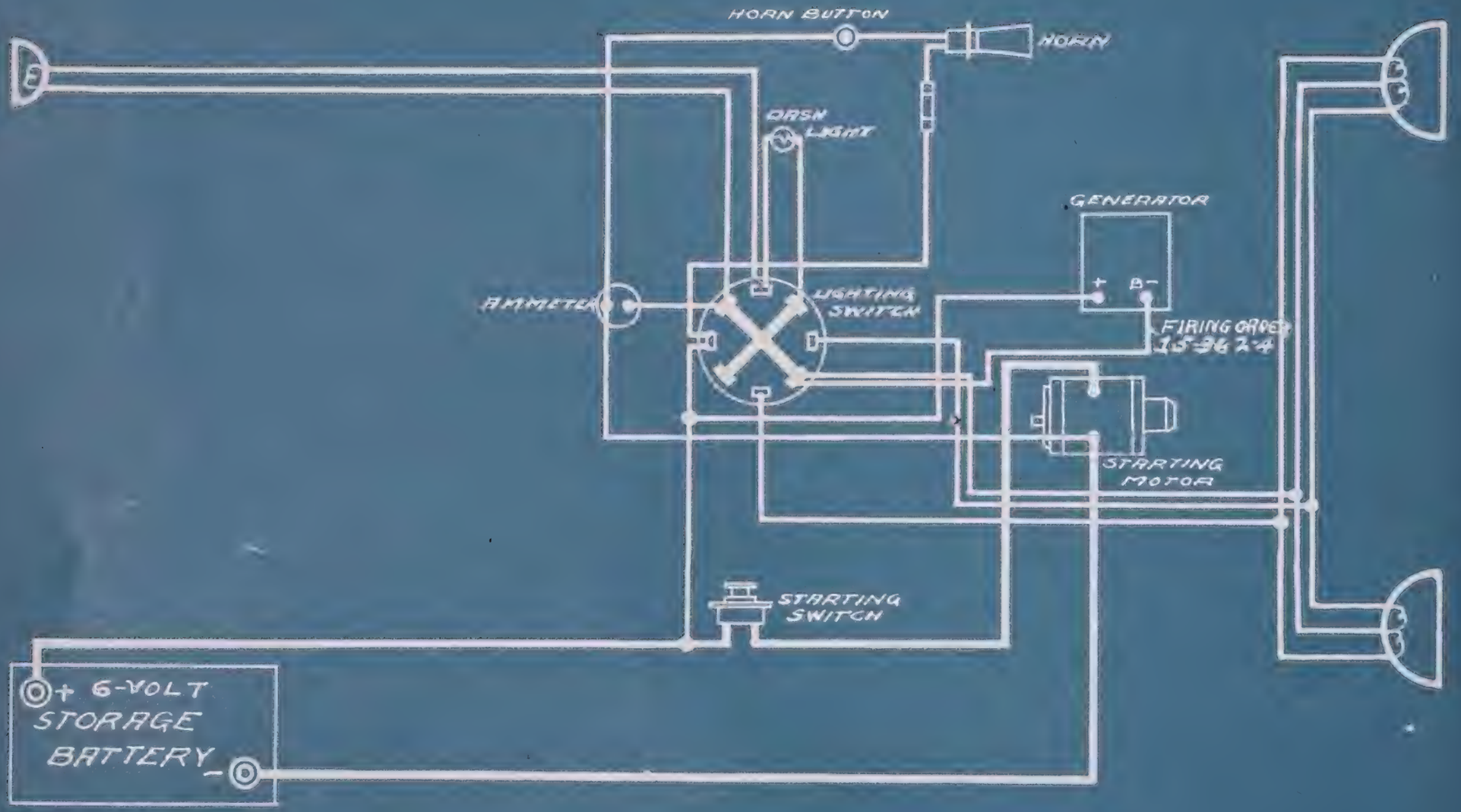
REMY SYSTEM
EISEMANN MAG.



NATIONAL 1915

WESTINGHOUSE SYSTEM

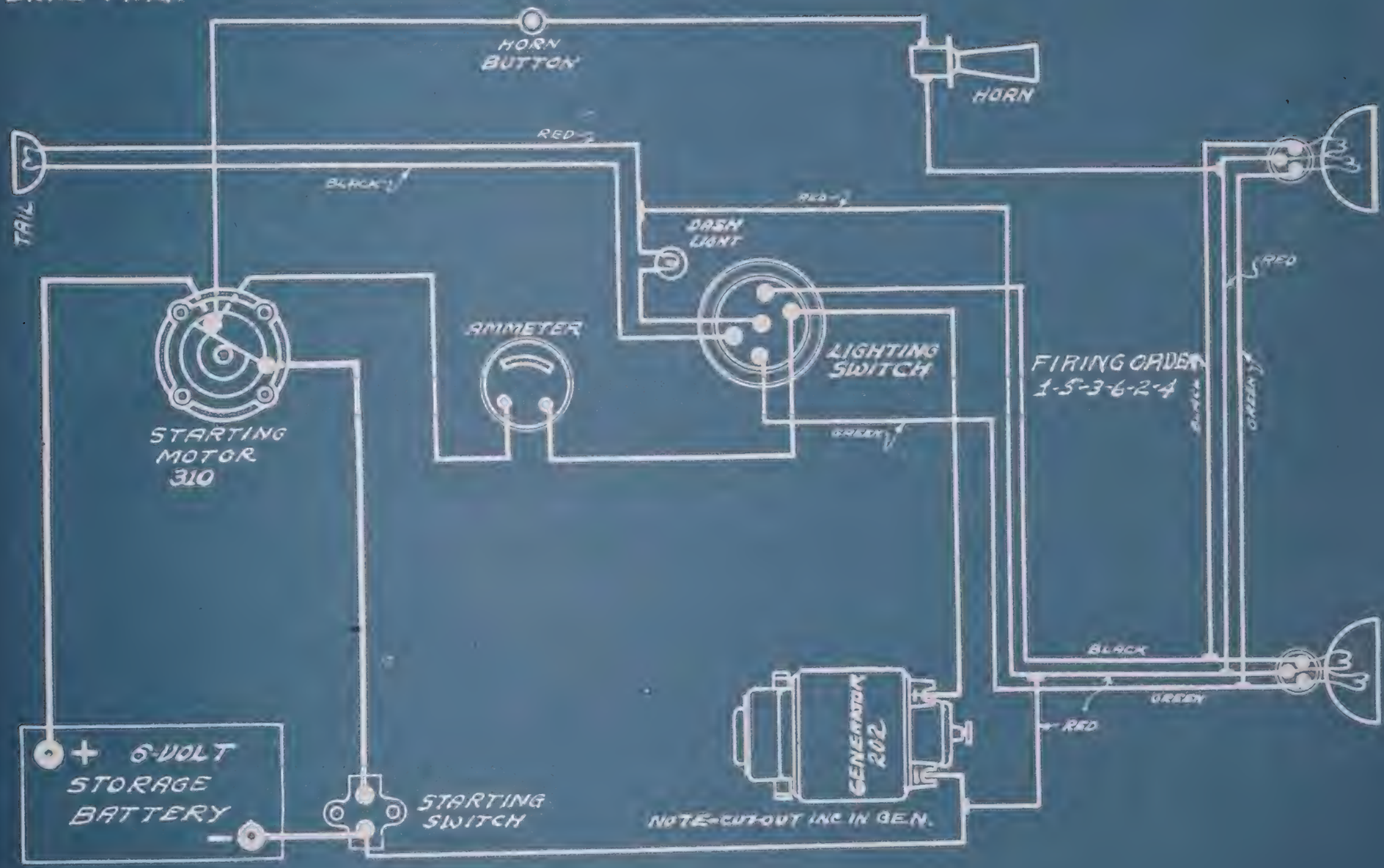
EISEMANN MAG.



NATIONAL 1916 "HIGHWAY SIX"

WESTINGHOUSE SYSTEM (SERIES-AC)

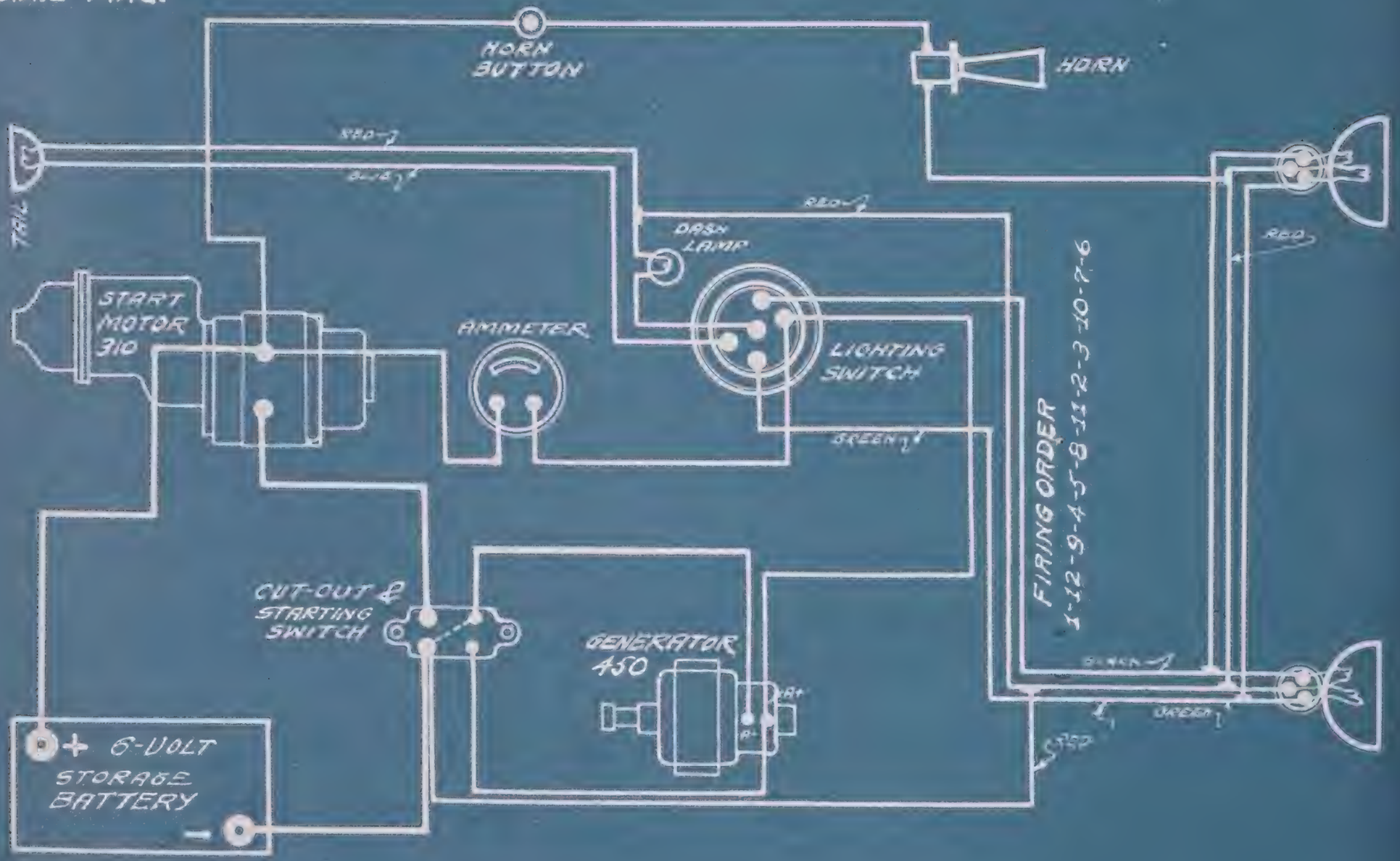
DIXIE MAG.



NATIONAL 1916 "HIGHWAY TWELVE"

WESTINGHOUSE SYSTEM

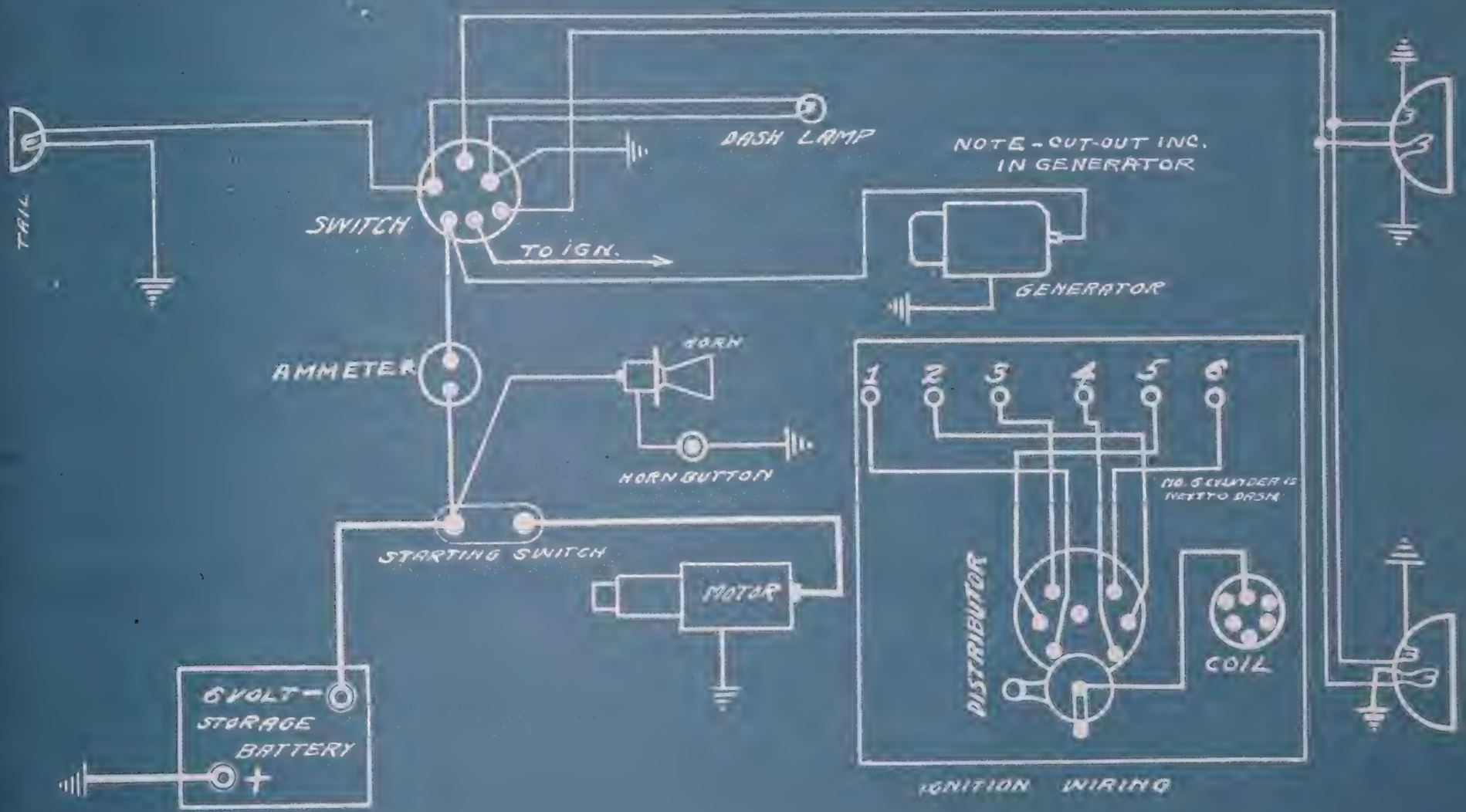
DIXIE MAG.



NATIONAL "HIGHWAY SIX" 1917-8

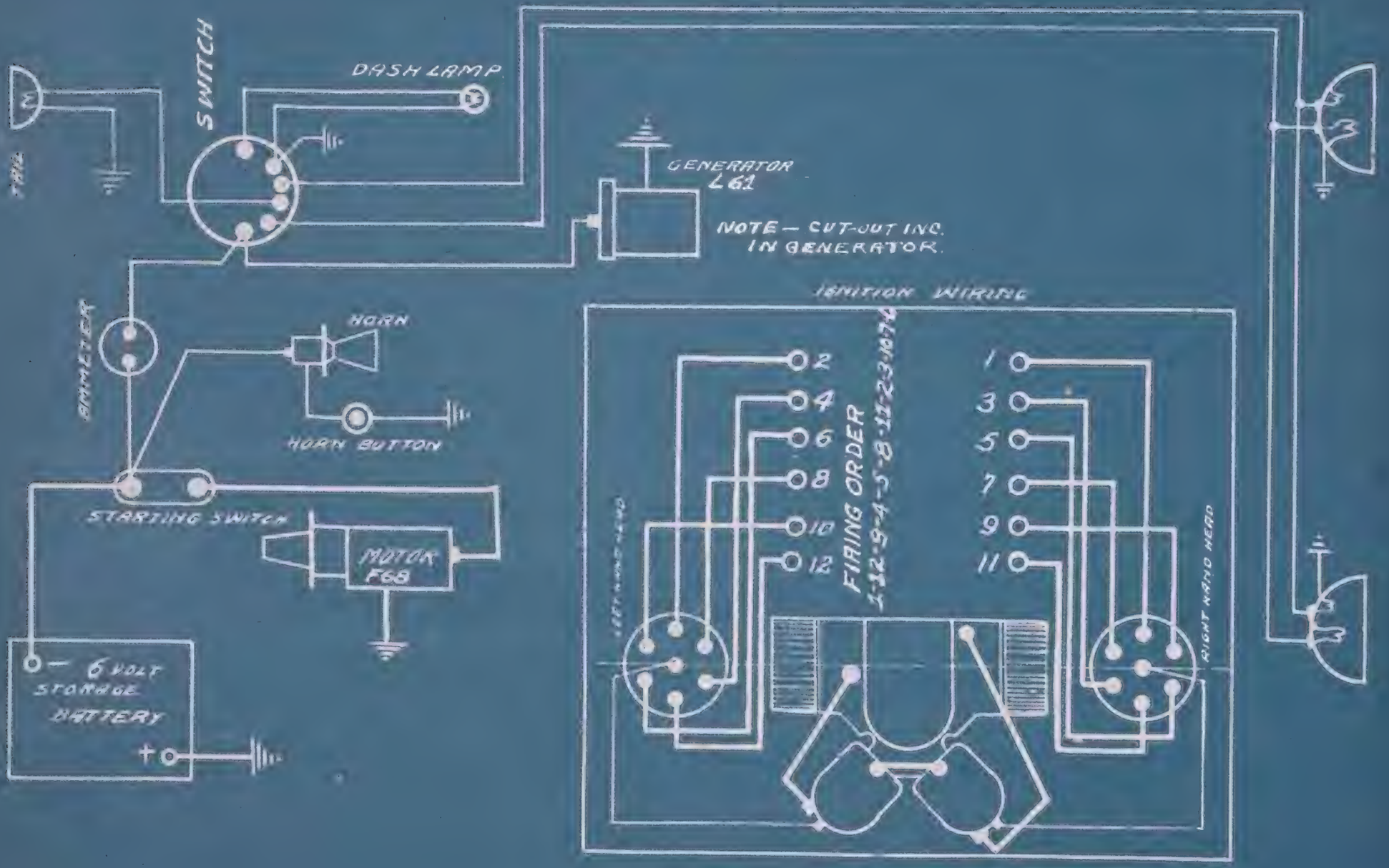
WESTINGHOUSE SYSTEM

DIXIE MAG.



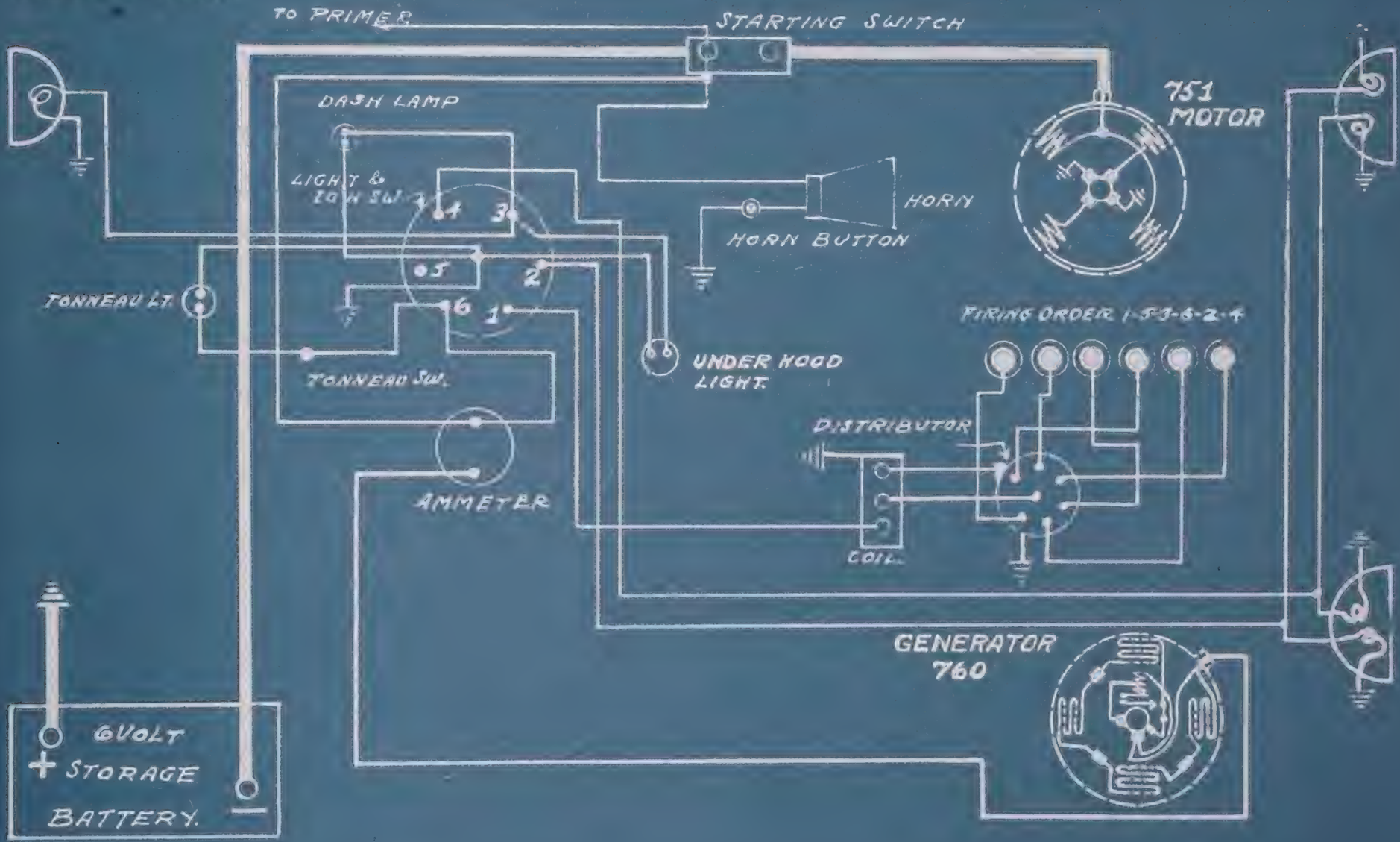
NATIONAL "HIGHWAY TWELVE" 1917-8-9.

BIJUR SYSTEM - DELCO IGN.

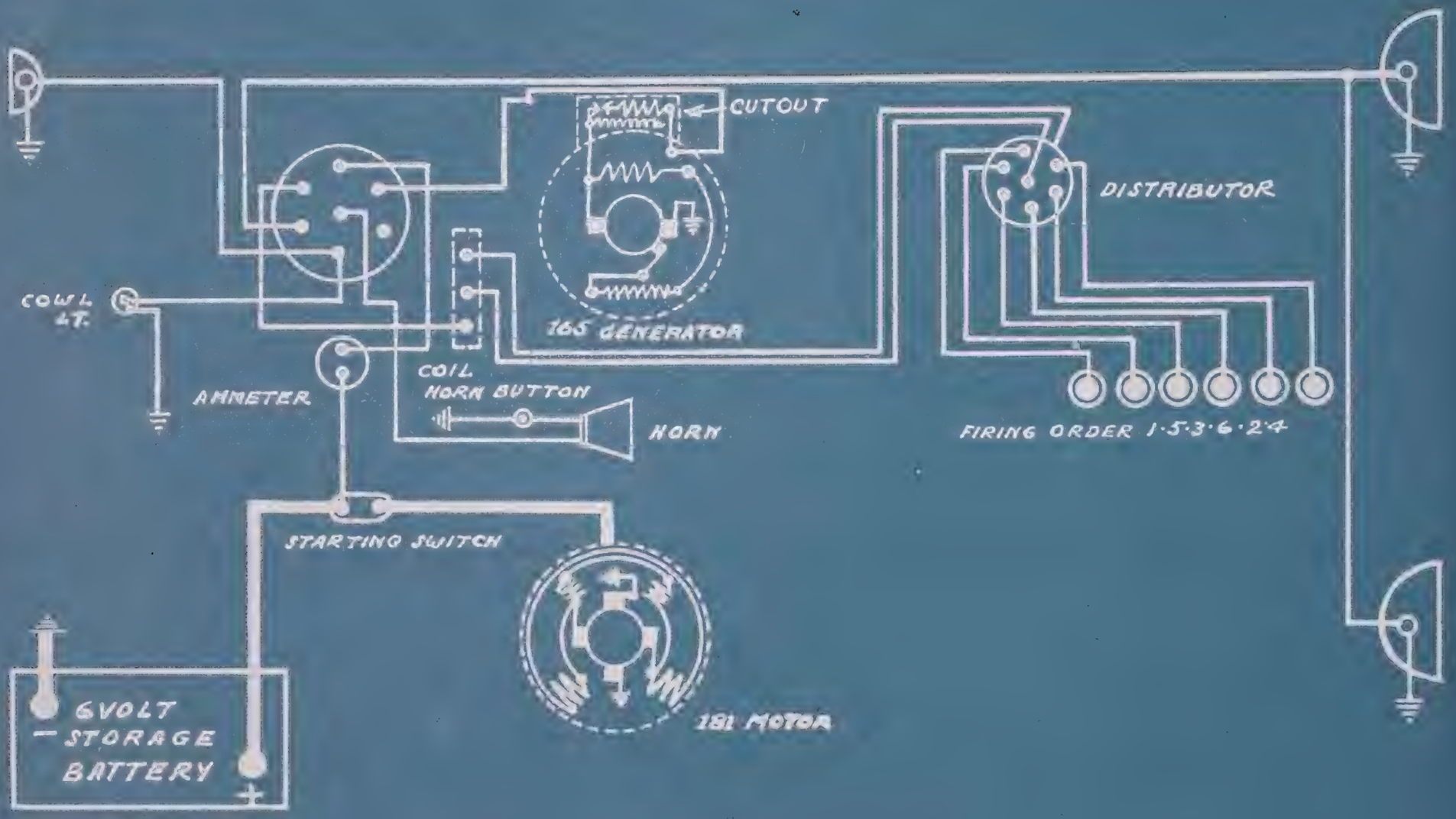


NATIONAL SEXTET 1920-21-22

WESTINGHOUSE START & LIGHT
DELCO IGN.

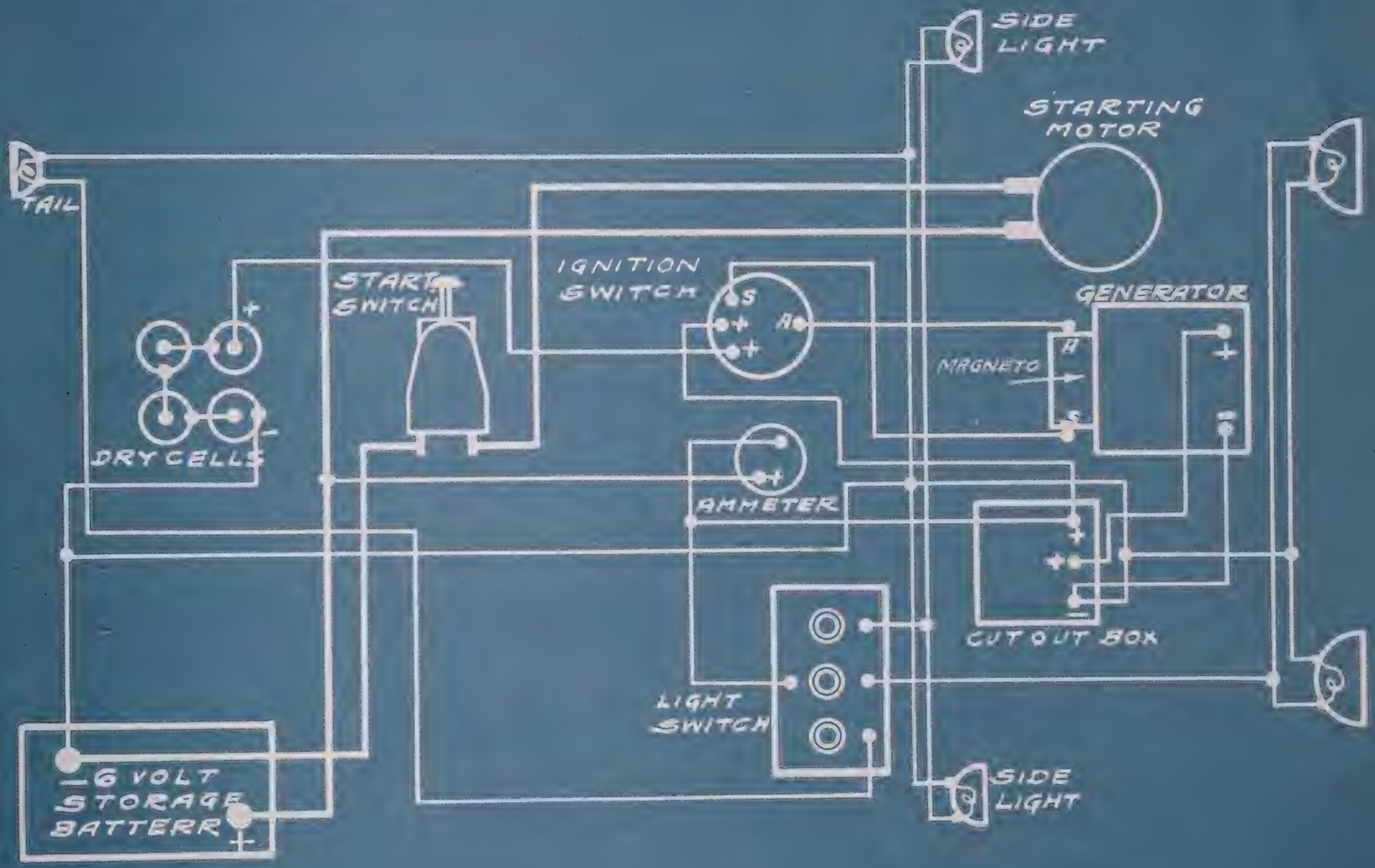


NOMA "C" 1921
DELCO SYSTEM

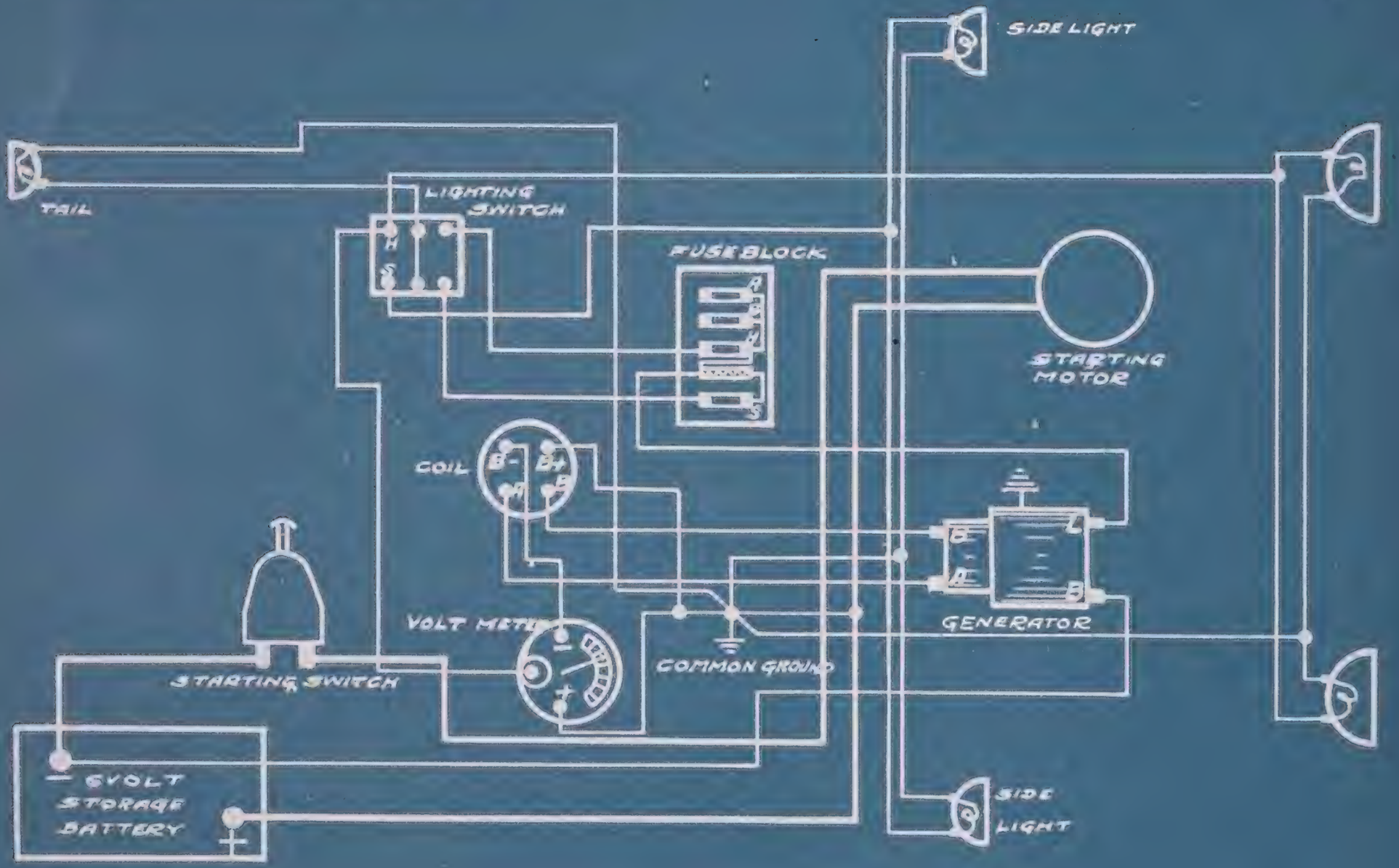


OAKLAND 1913 "35"

DEACO SYSTEM



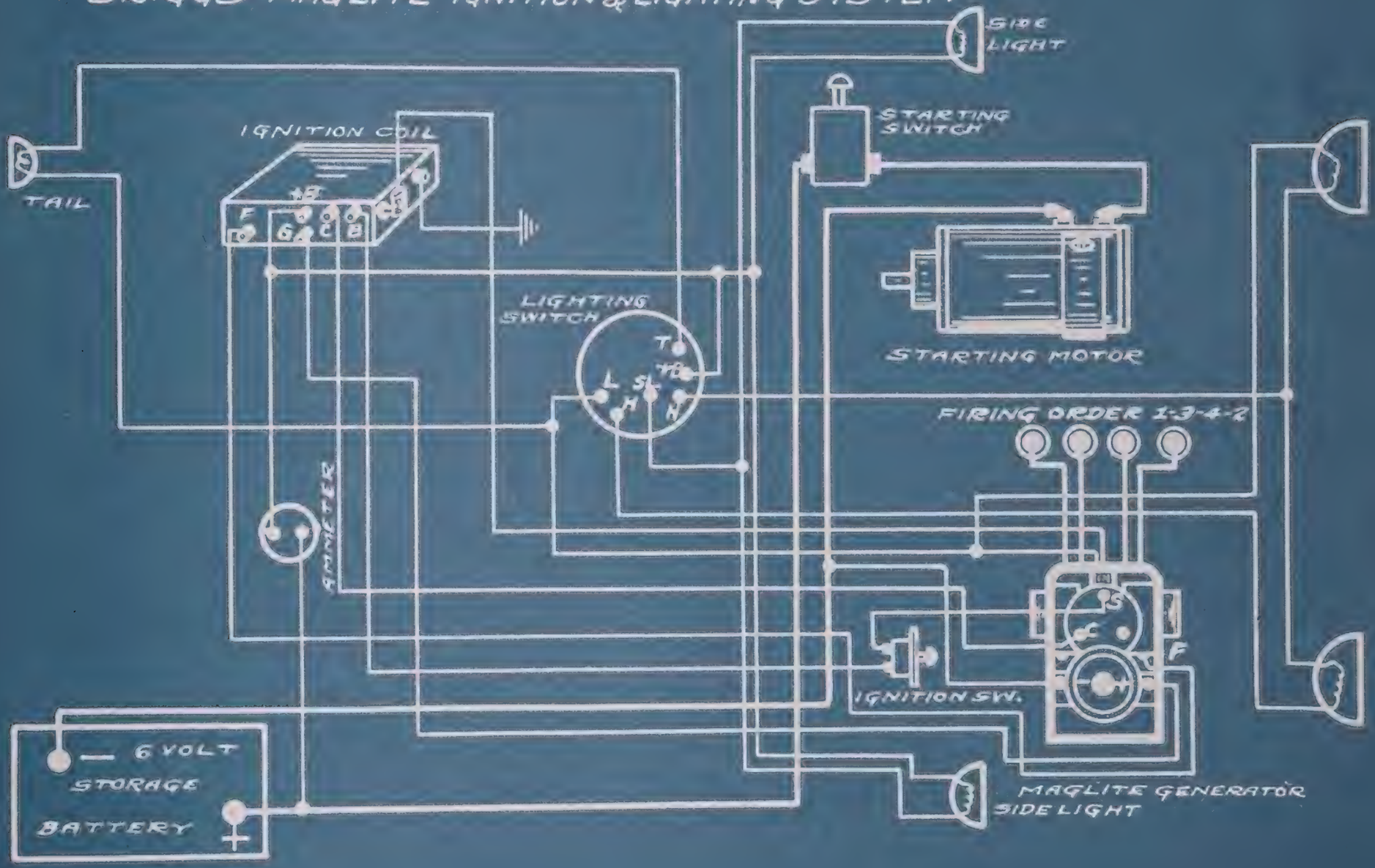
OAKLAND 1913 "35"
WESTINGHOUSE SYSTEM



OAKLAND 1913 "35" SPECIAL

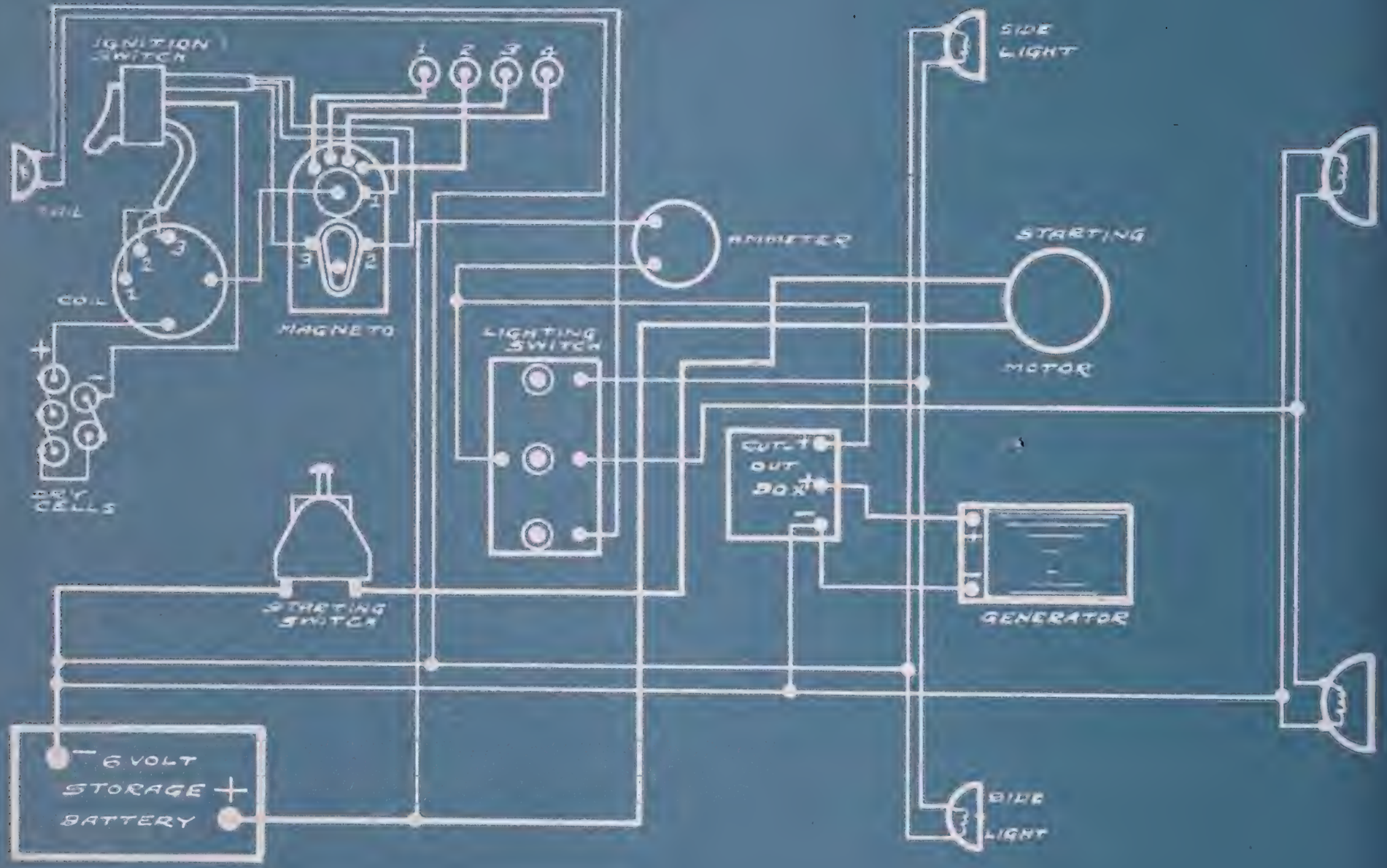
DEACO STARTING SYSTEM

BRIGGS-MAGLITE IGNITION & LIGHTING SYSTEM



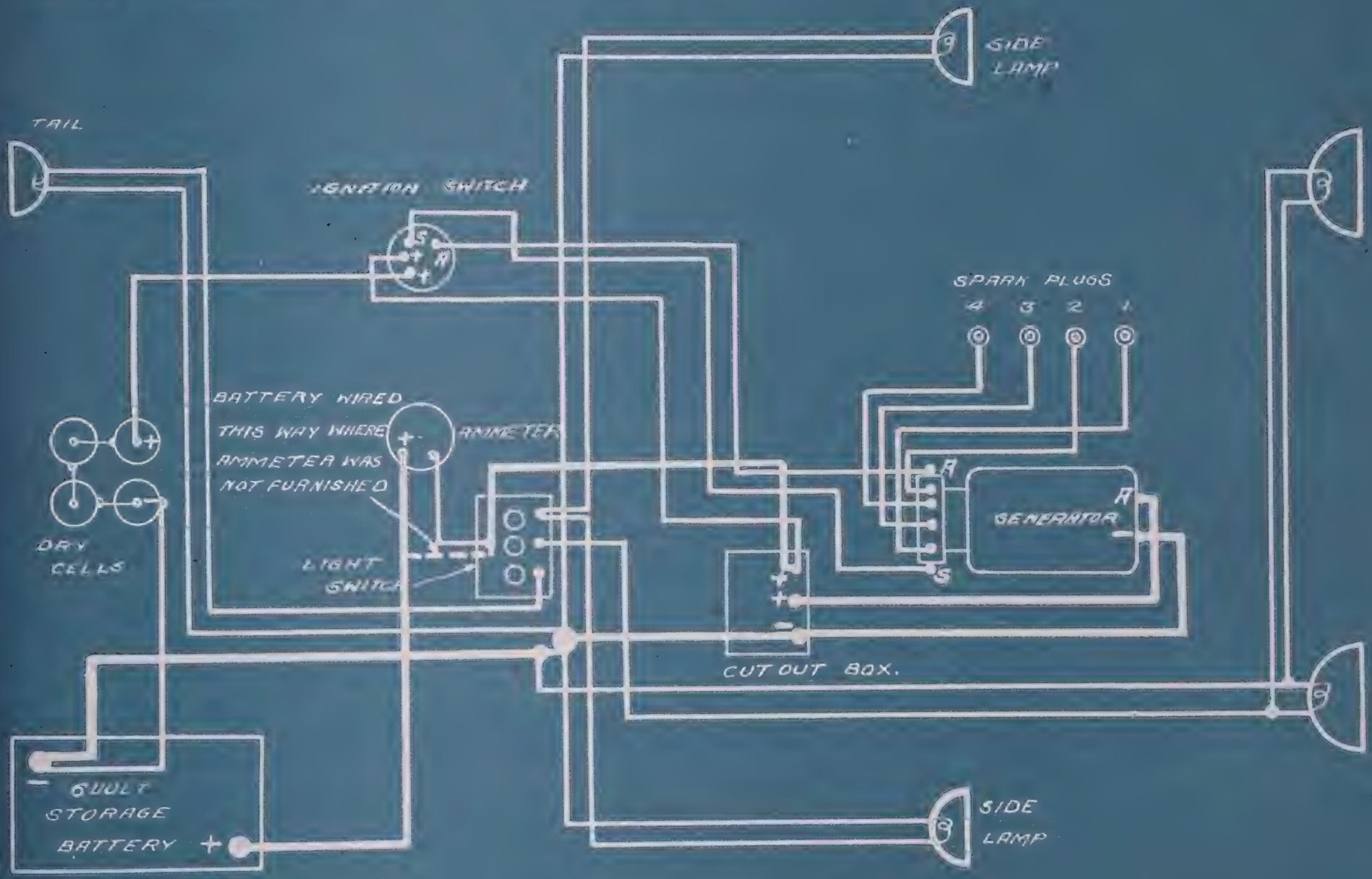
OAKLAND 1913 "35 & 42"

DEACO SYSTEM

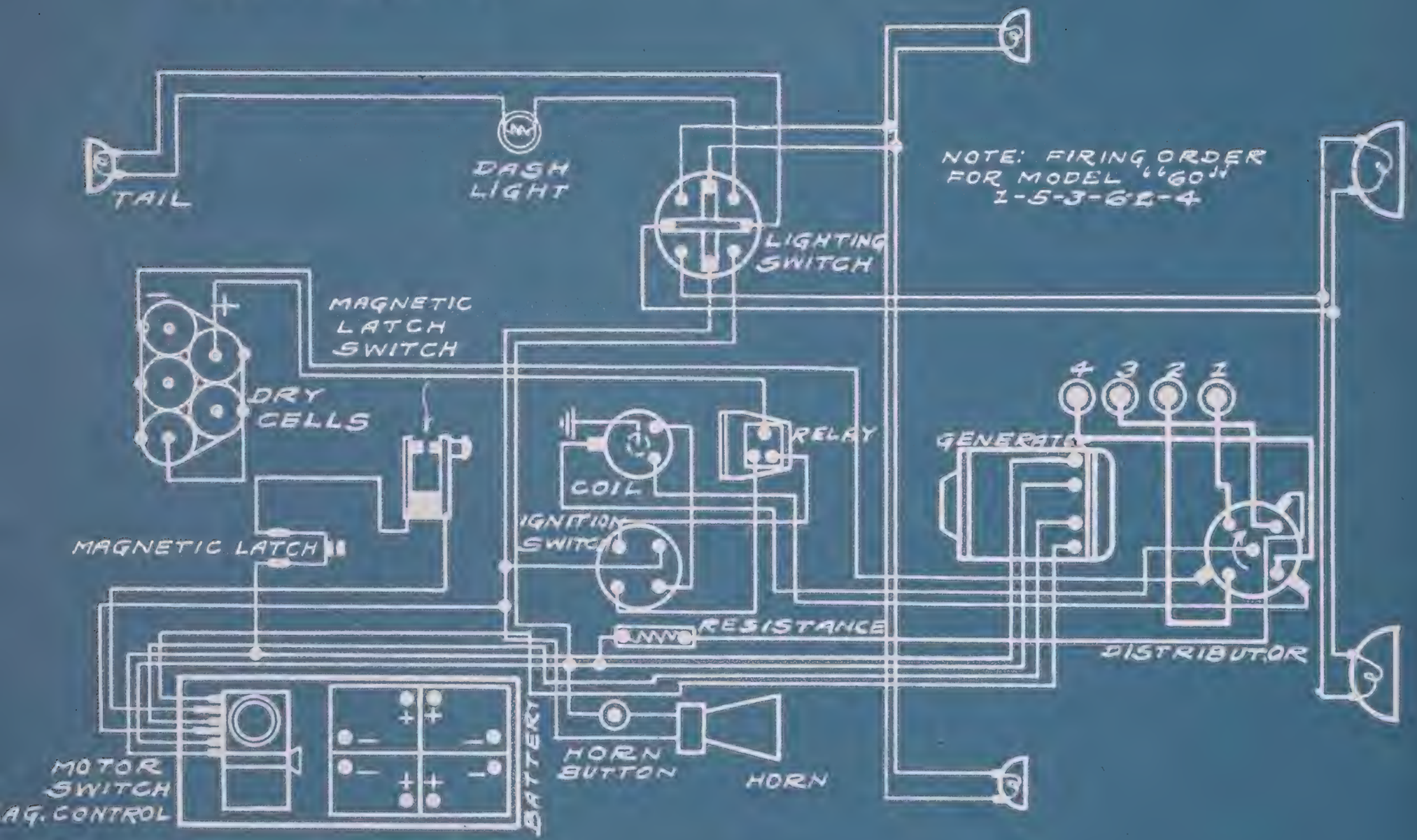


OAKLAND MODEL "42" 1913

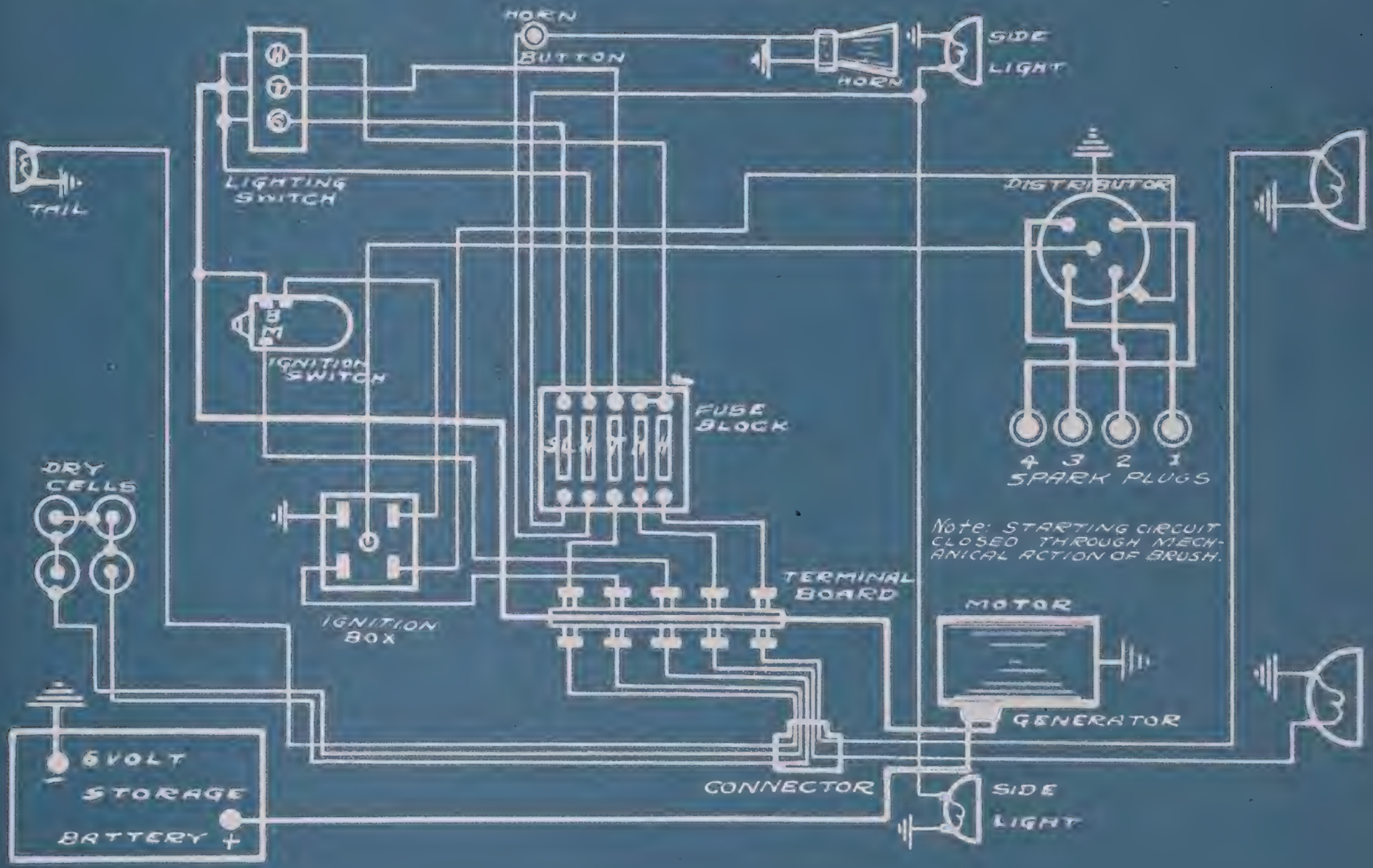
DELCO SYSTEM



OAKLAND 1913 42&60
DELCO SYSTEM

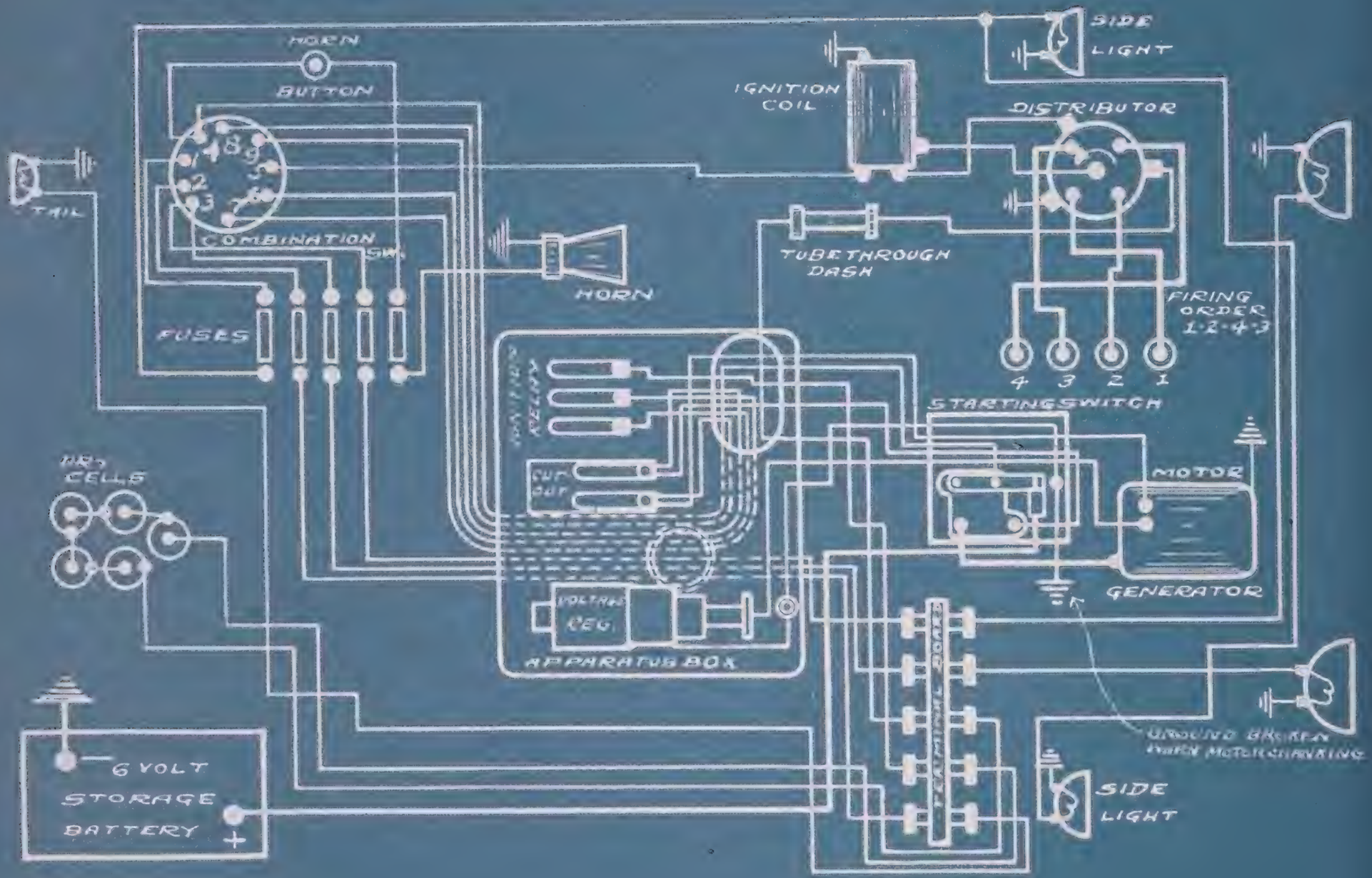


OAKLAND 1914 36
DELCO SYSTEM



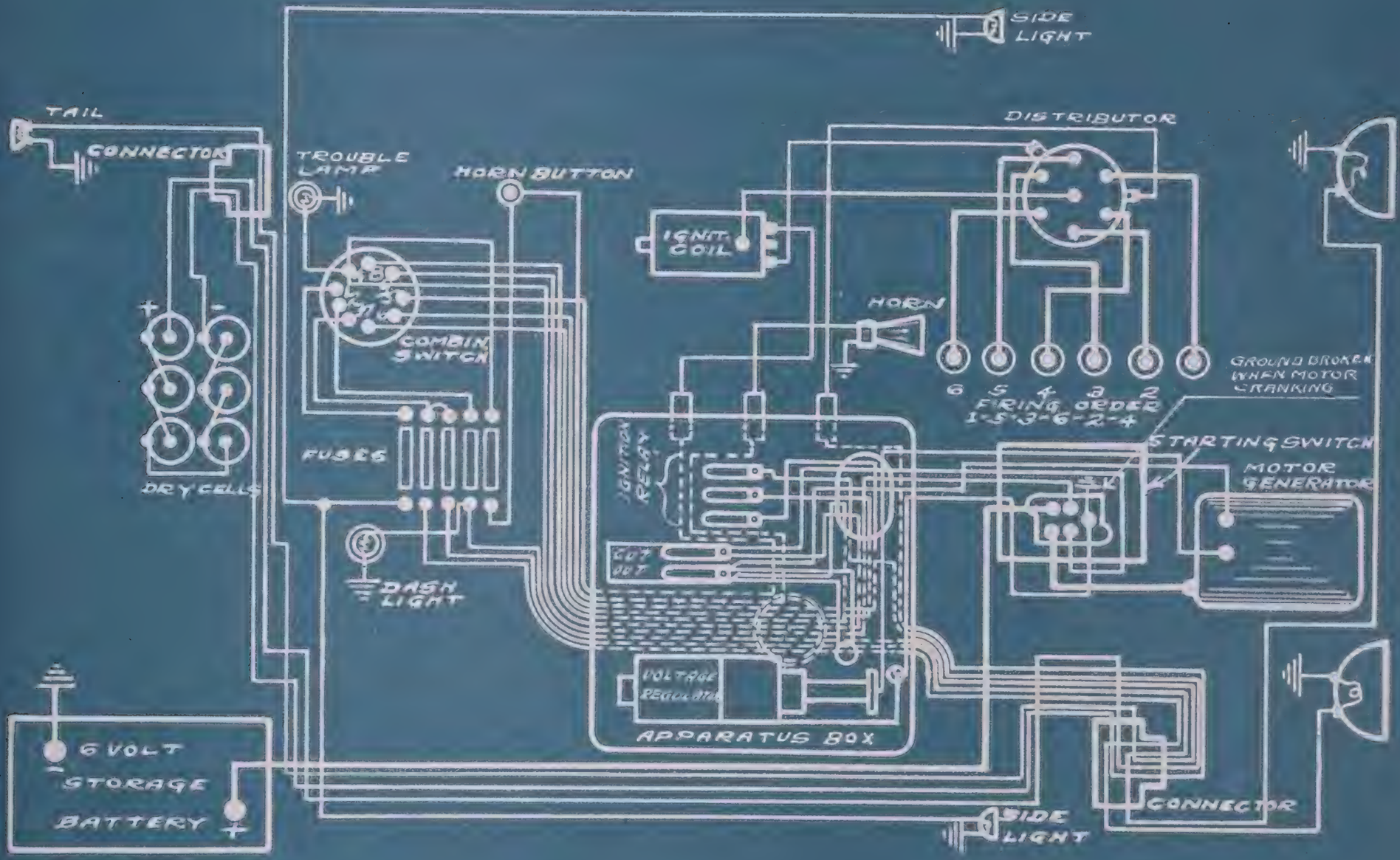
OAKLAND 1914 43

DELCO SYSTEM

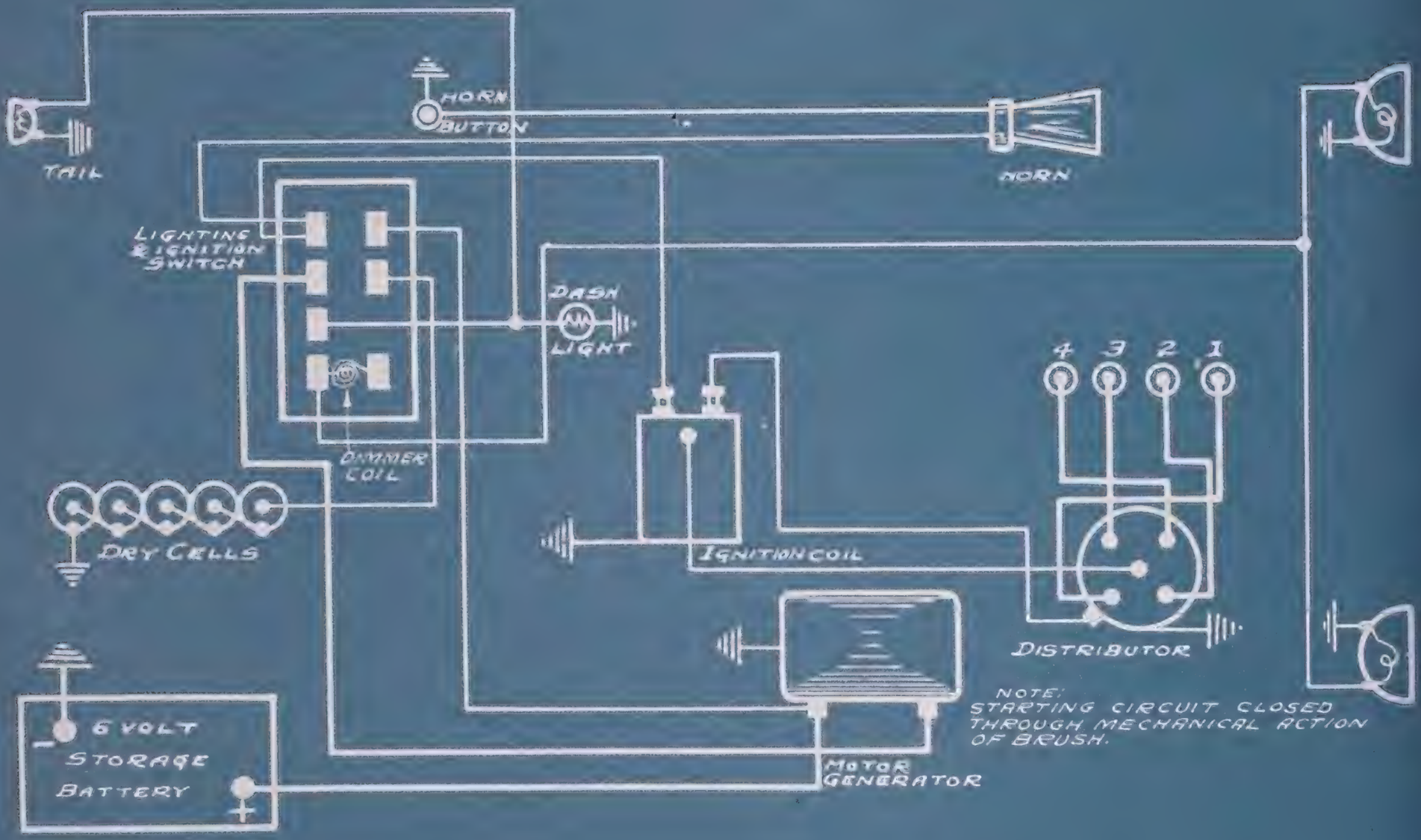


OAKLAND 1914 48&62

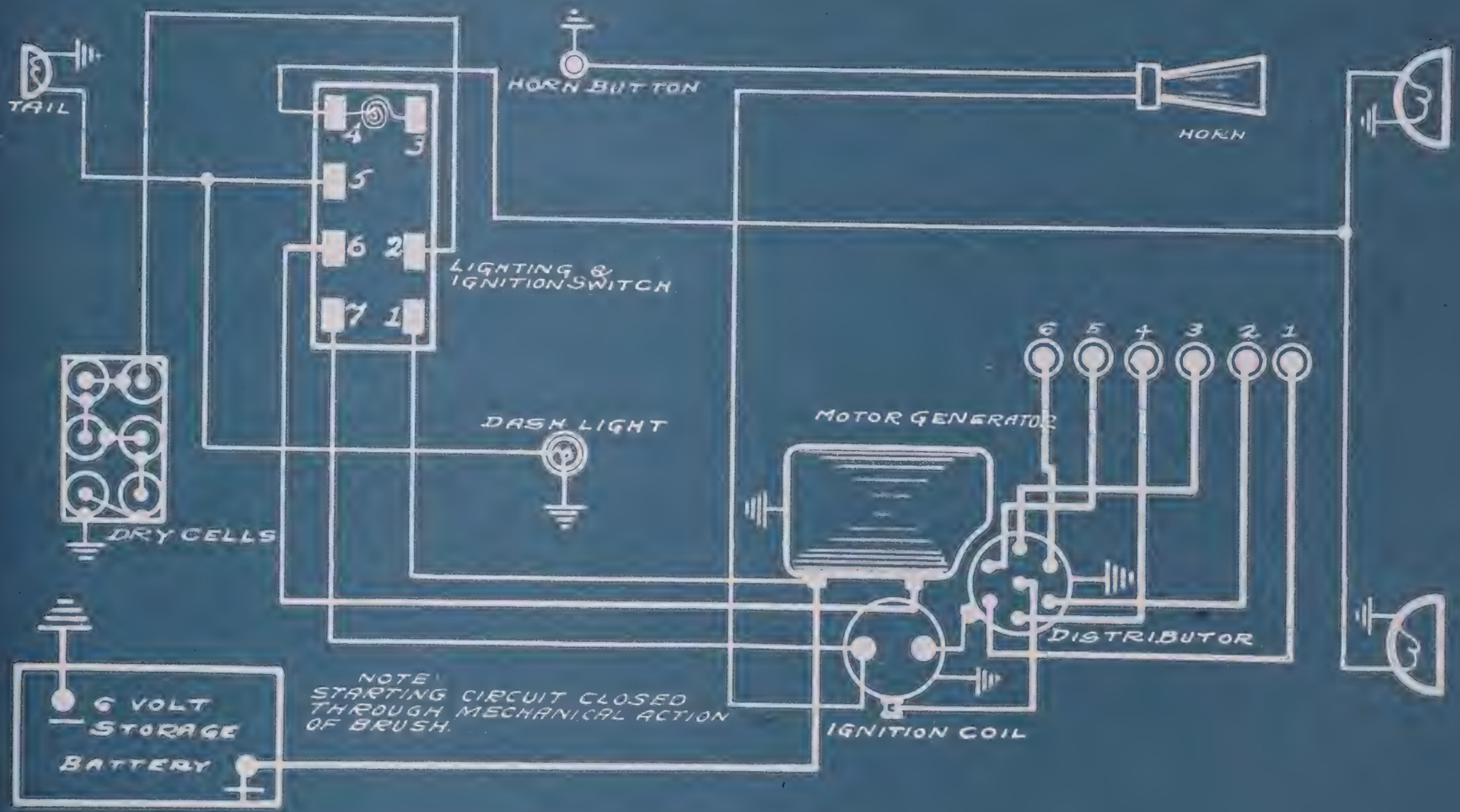
DELCO SYSTEM



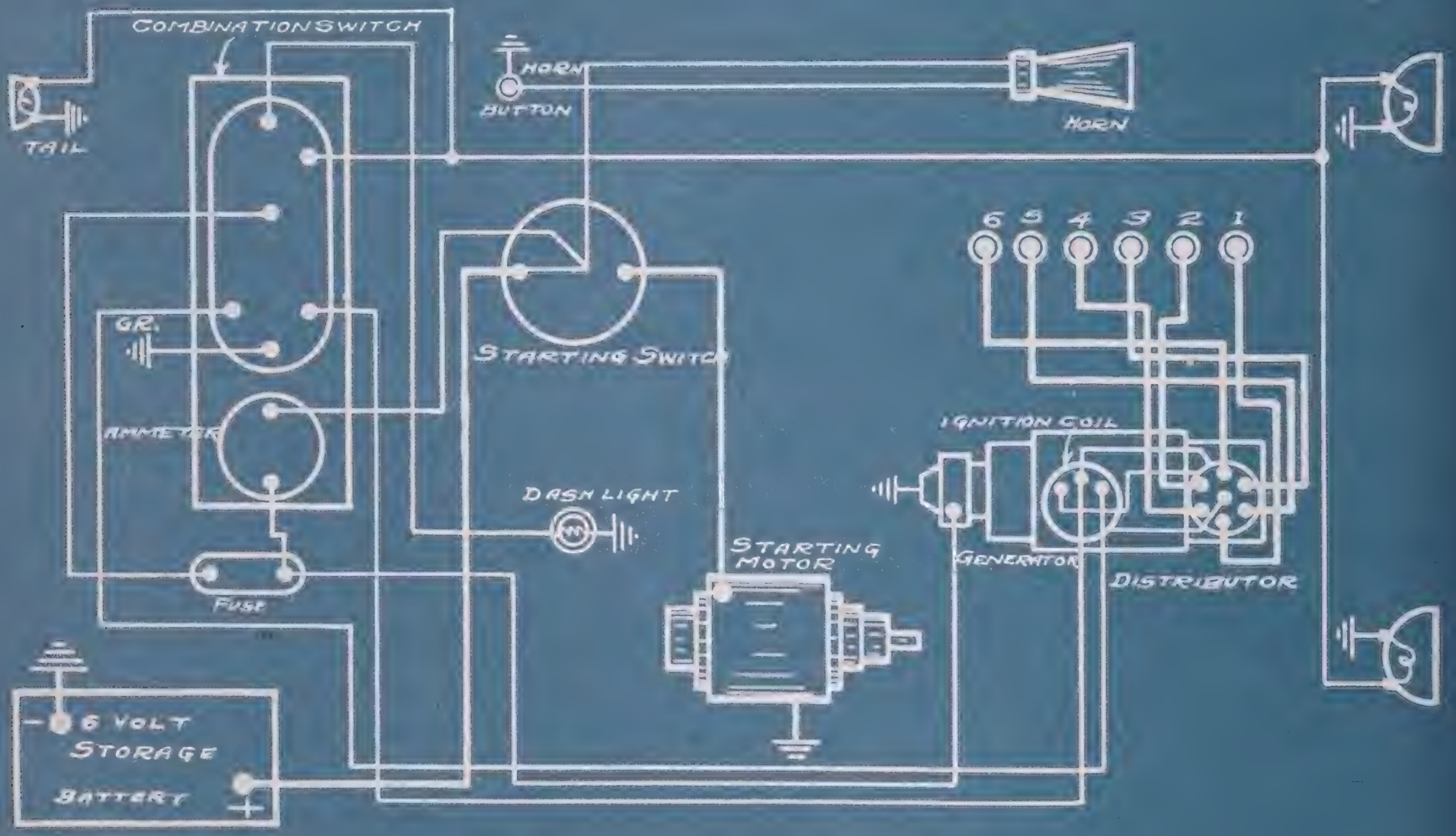
OAKLAND 1915 "37"
DELCO SYSTEM



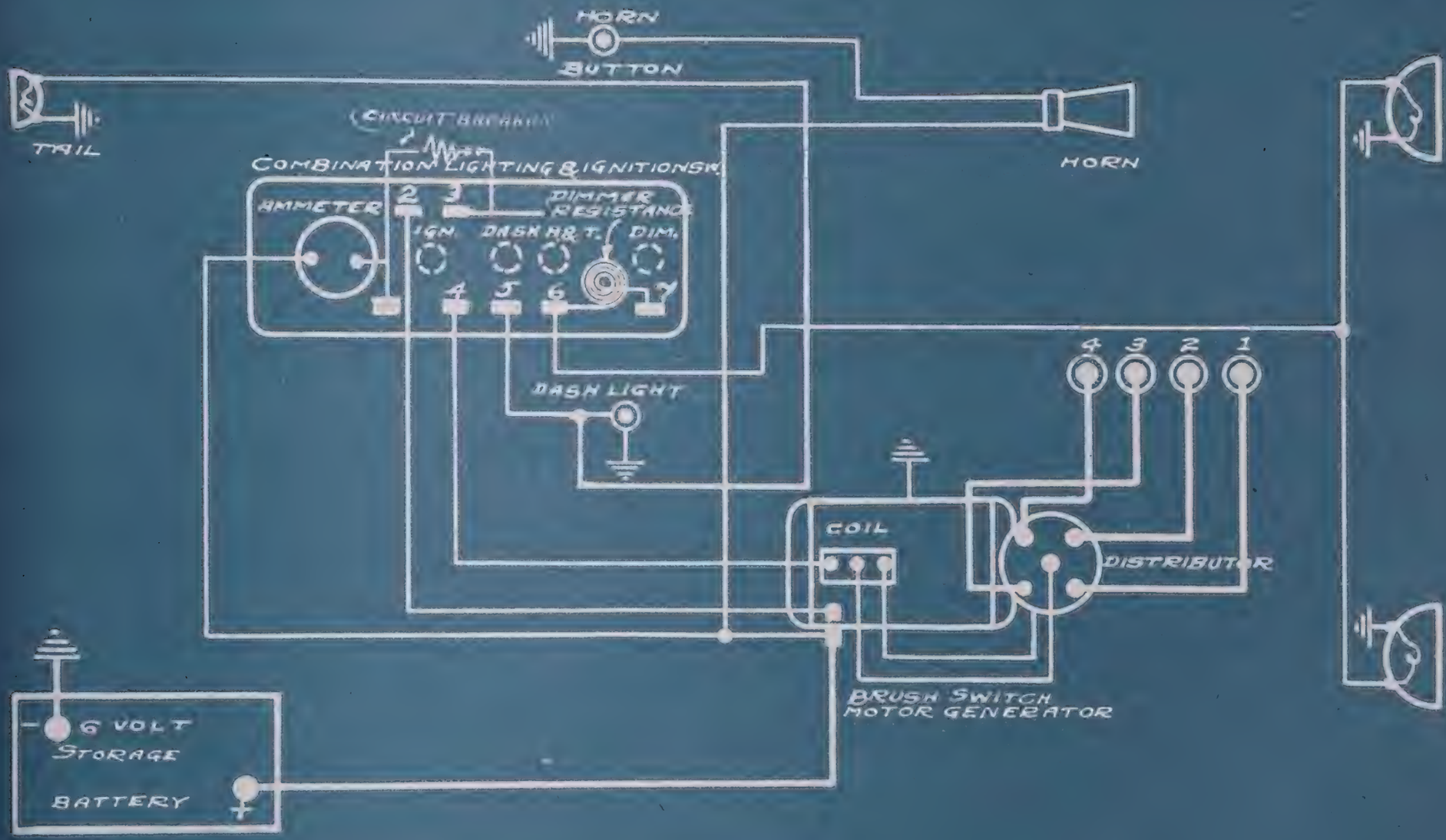
OAKLAND 1915 "49"
DELCO SYSTEM



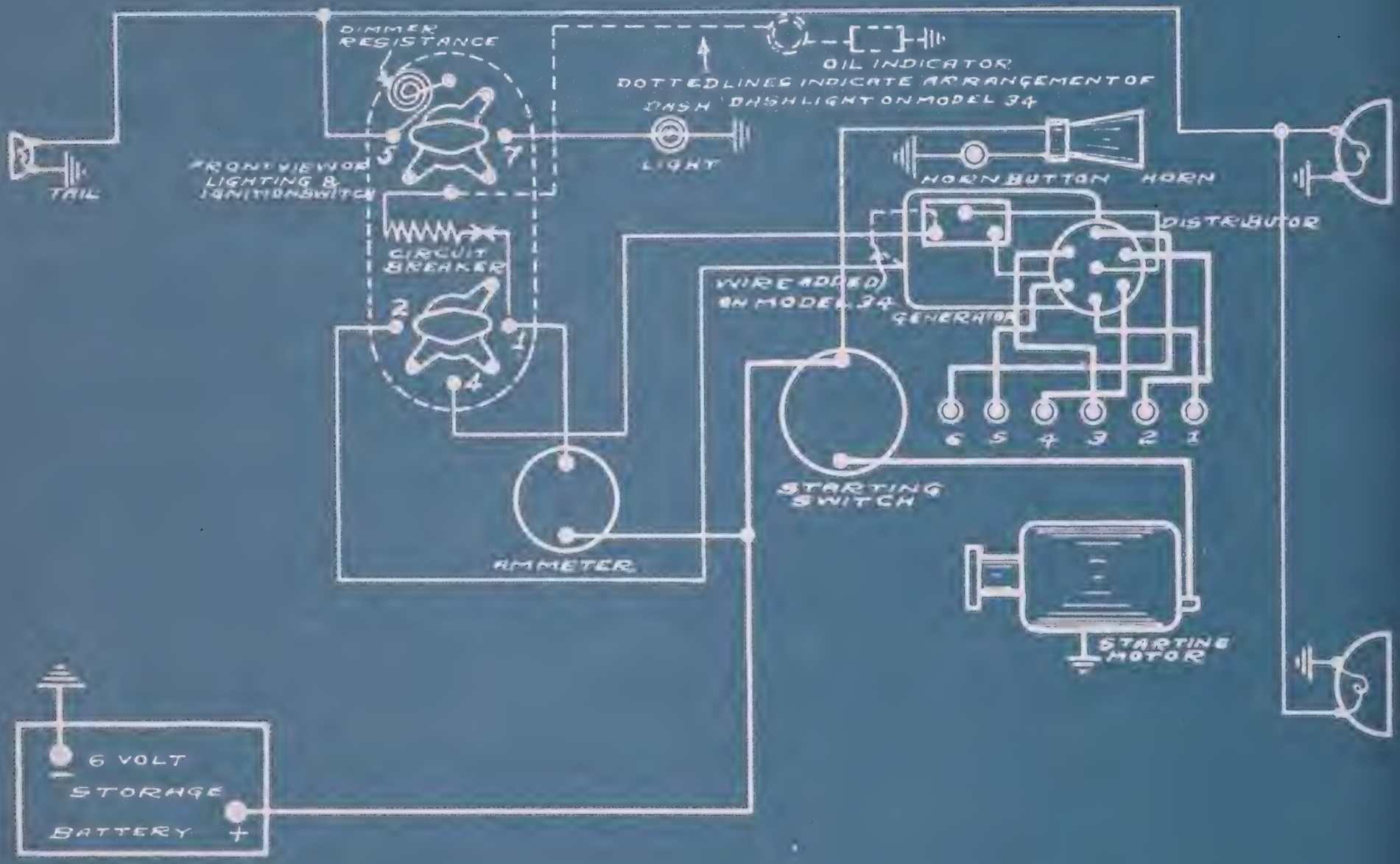
OAKLAND 1916 "32"
REMY SYSTEM



OAKLAND 1916 "38"
DELCO SYSTEM

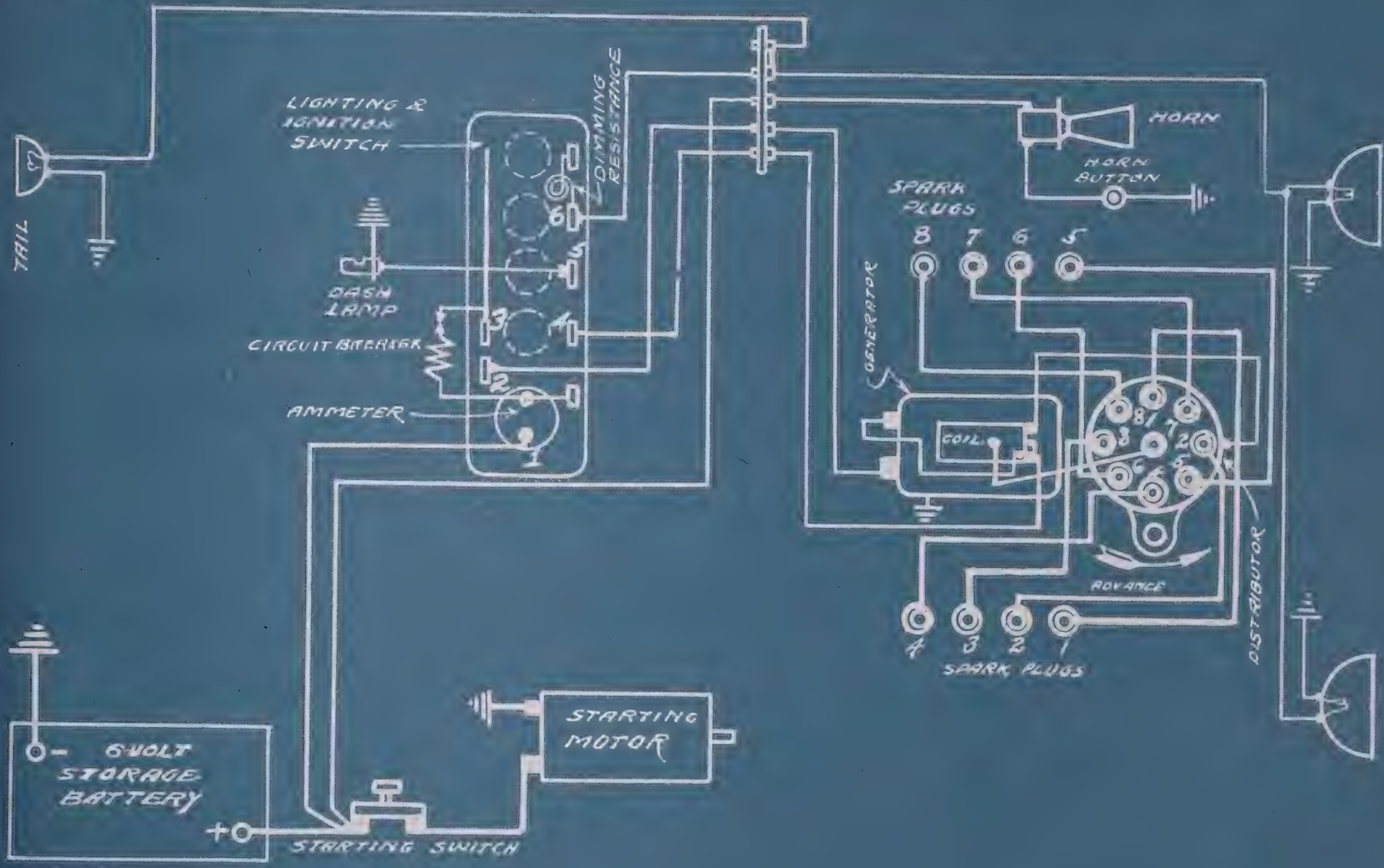


OAKLAND 1916- 32-B &1917- 34
DELCO SYSTEM



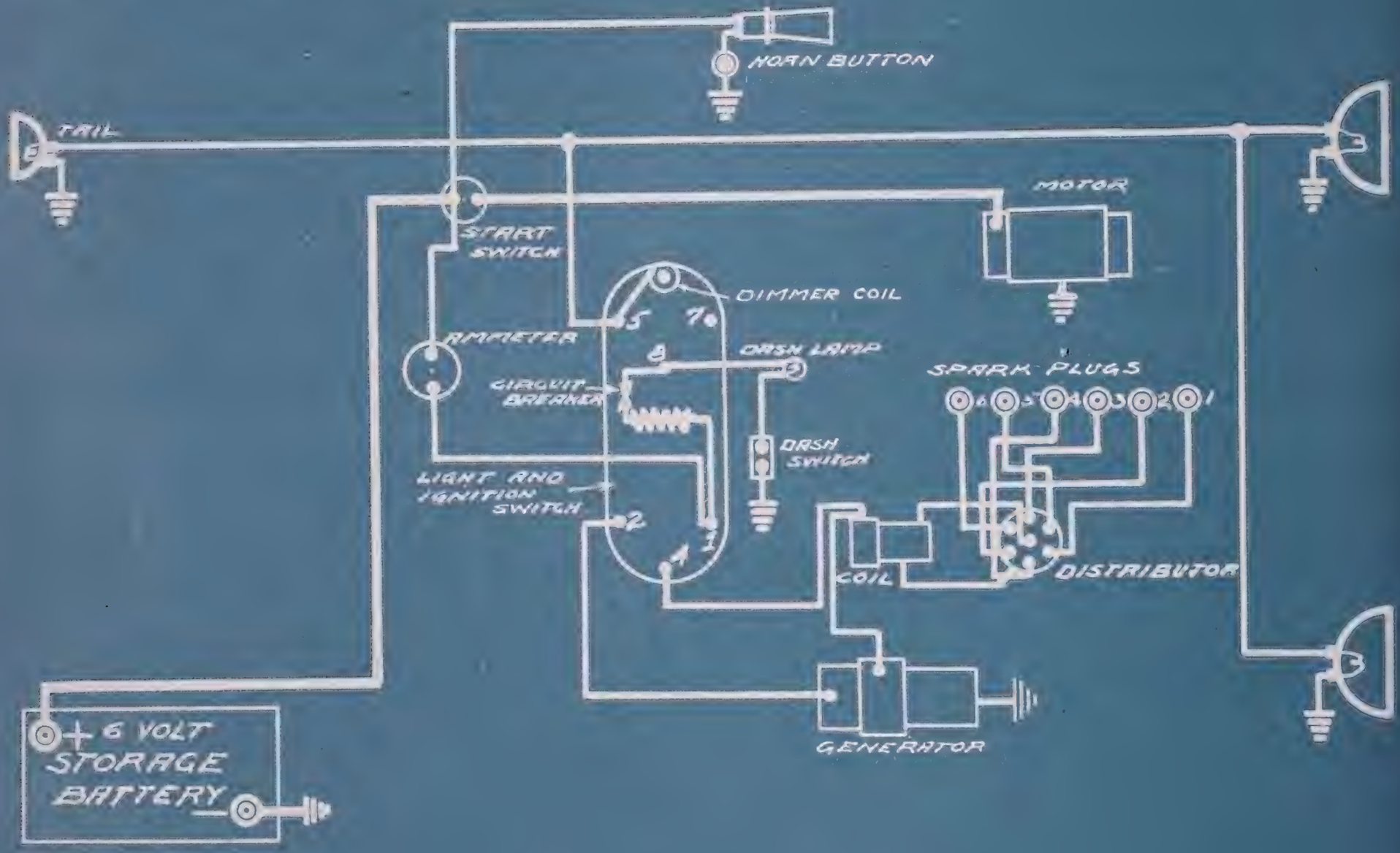
OAKLAND 1916-7 50

DELCO SYSTEM

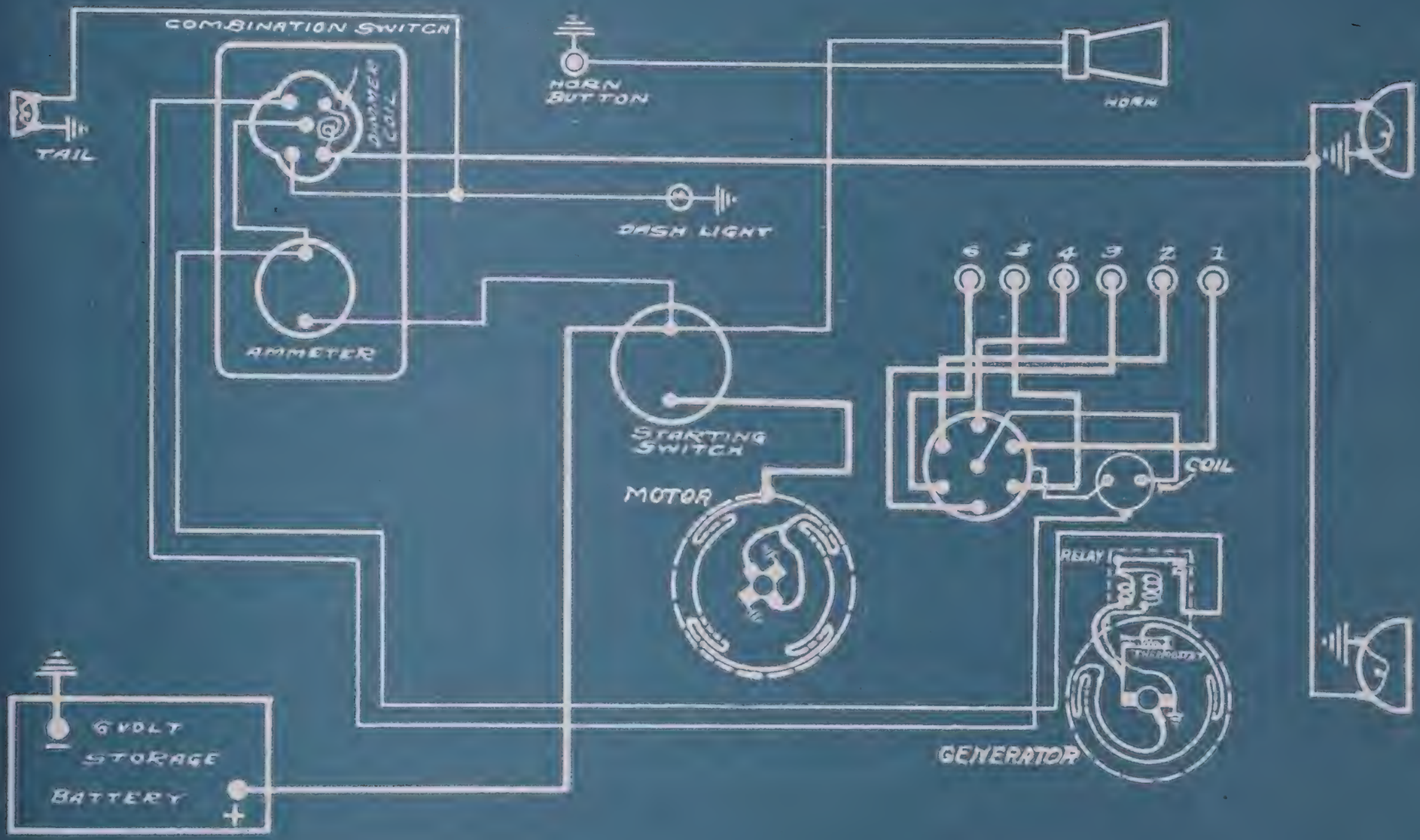


OAKLAND 1917 MODEL 34

DELCO SYSTEM

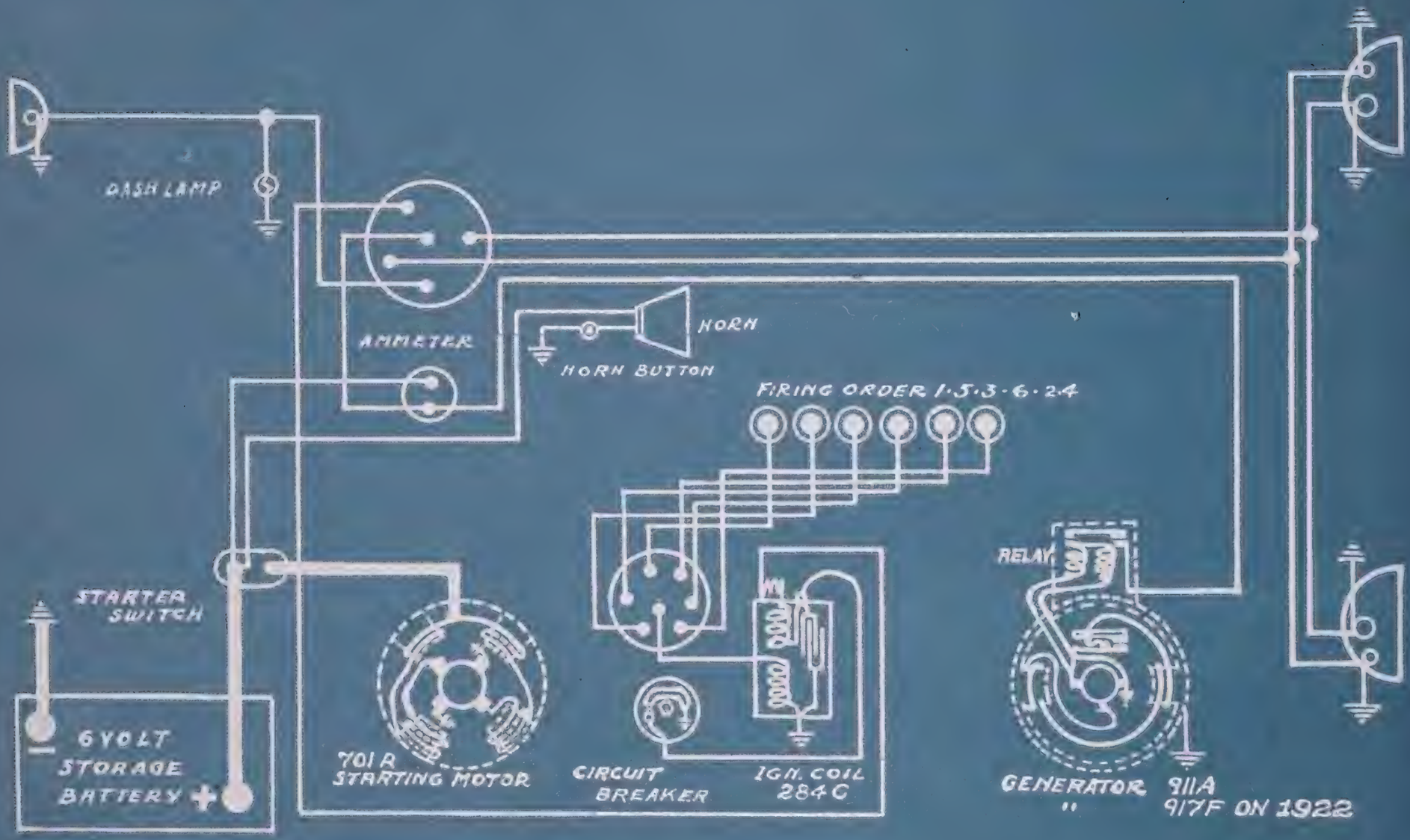


OAKLAND 1918-19-20 34-B
REMY SYSTEM

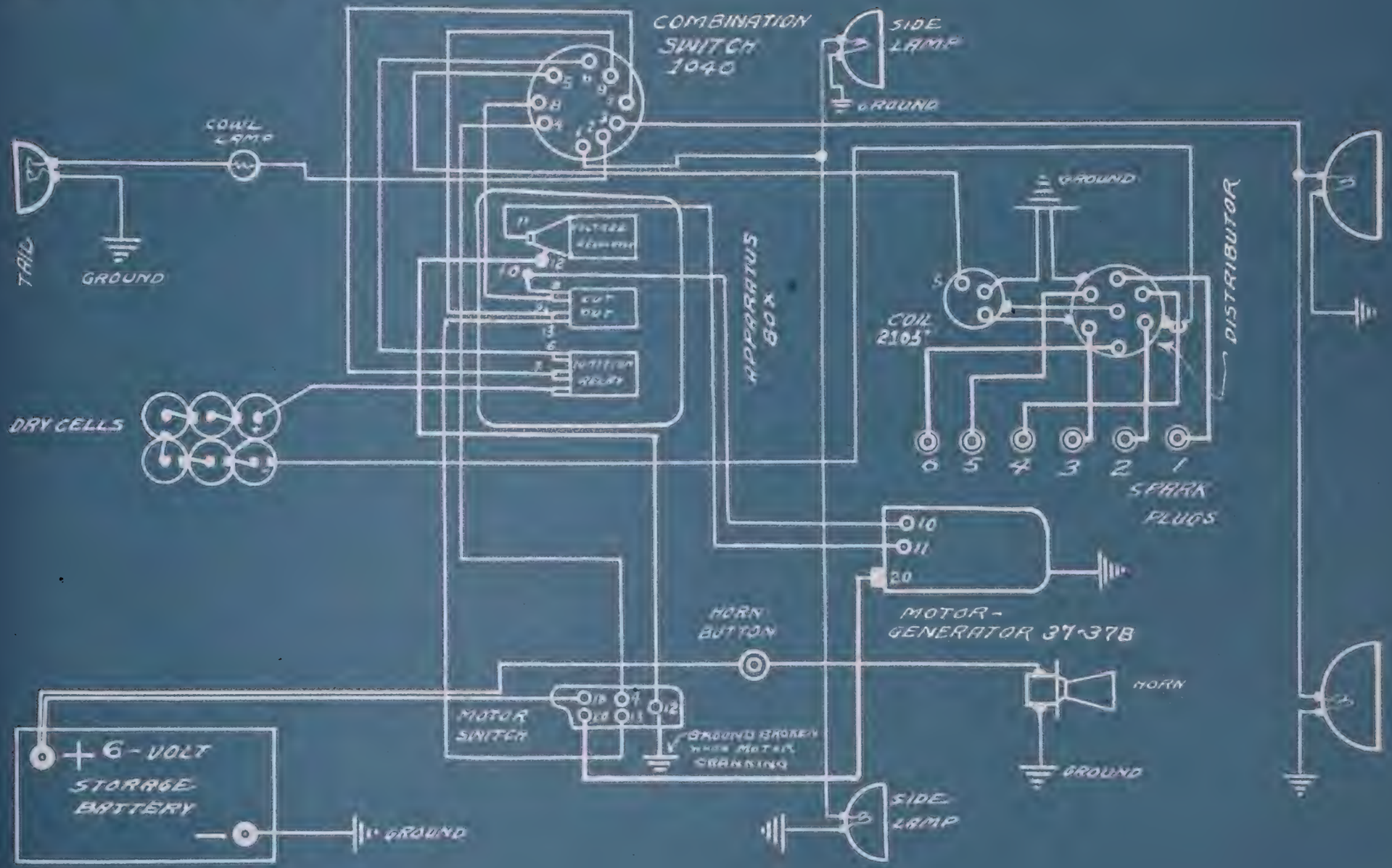


OAKLAND 34C 1920-1921 "6-44" 1922

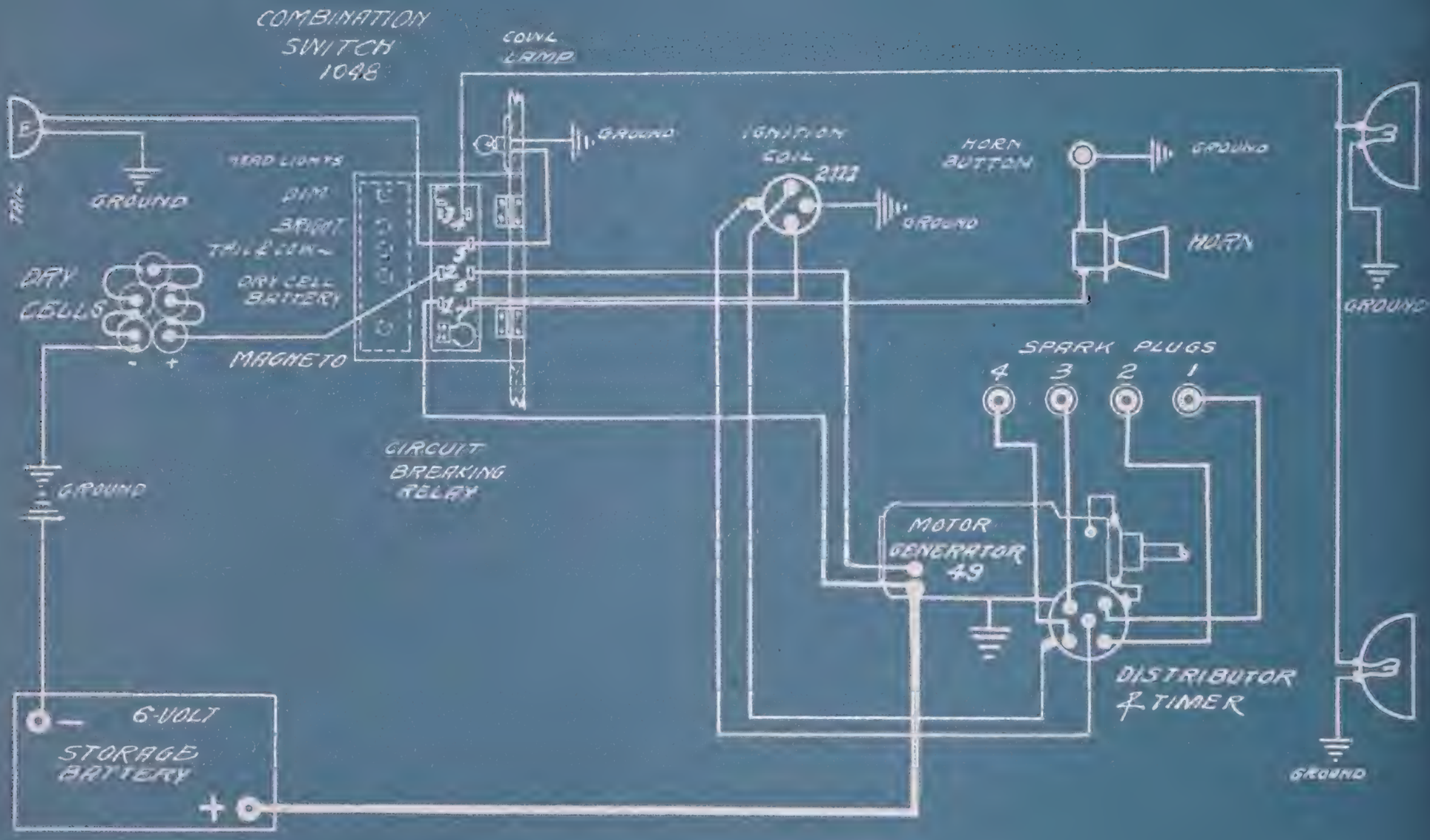
REMY SYSTEM



OLDSMOBILE 1914 54
DELCO SYSTEM

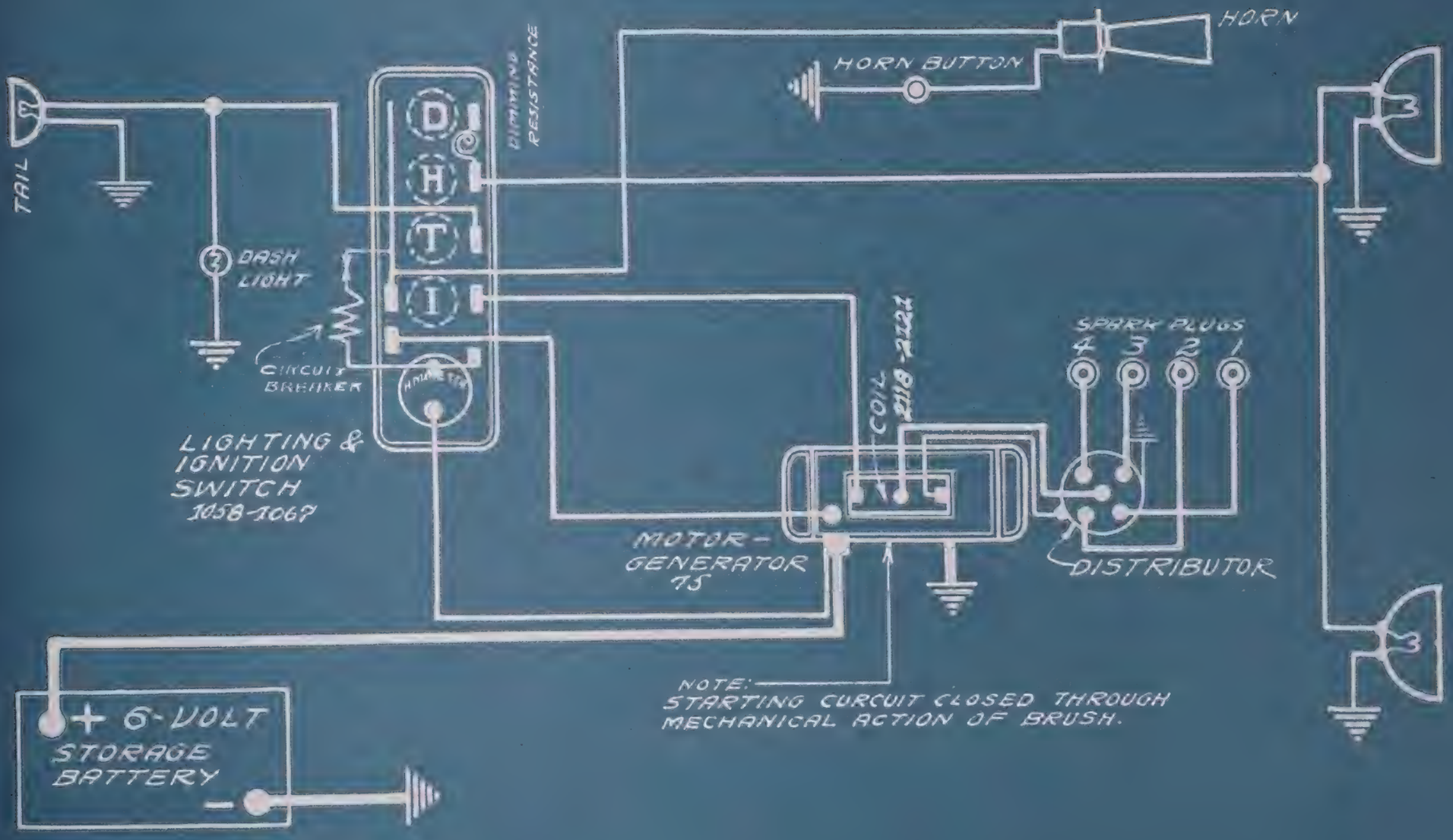


OLDSMOBILE 1915 MODEL 42
DELCO SYSTEM



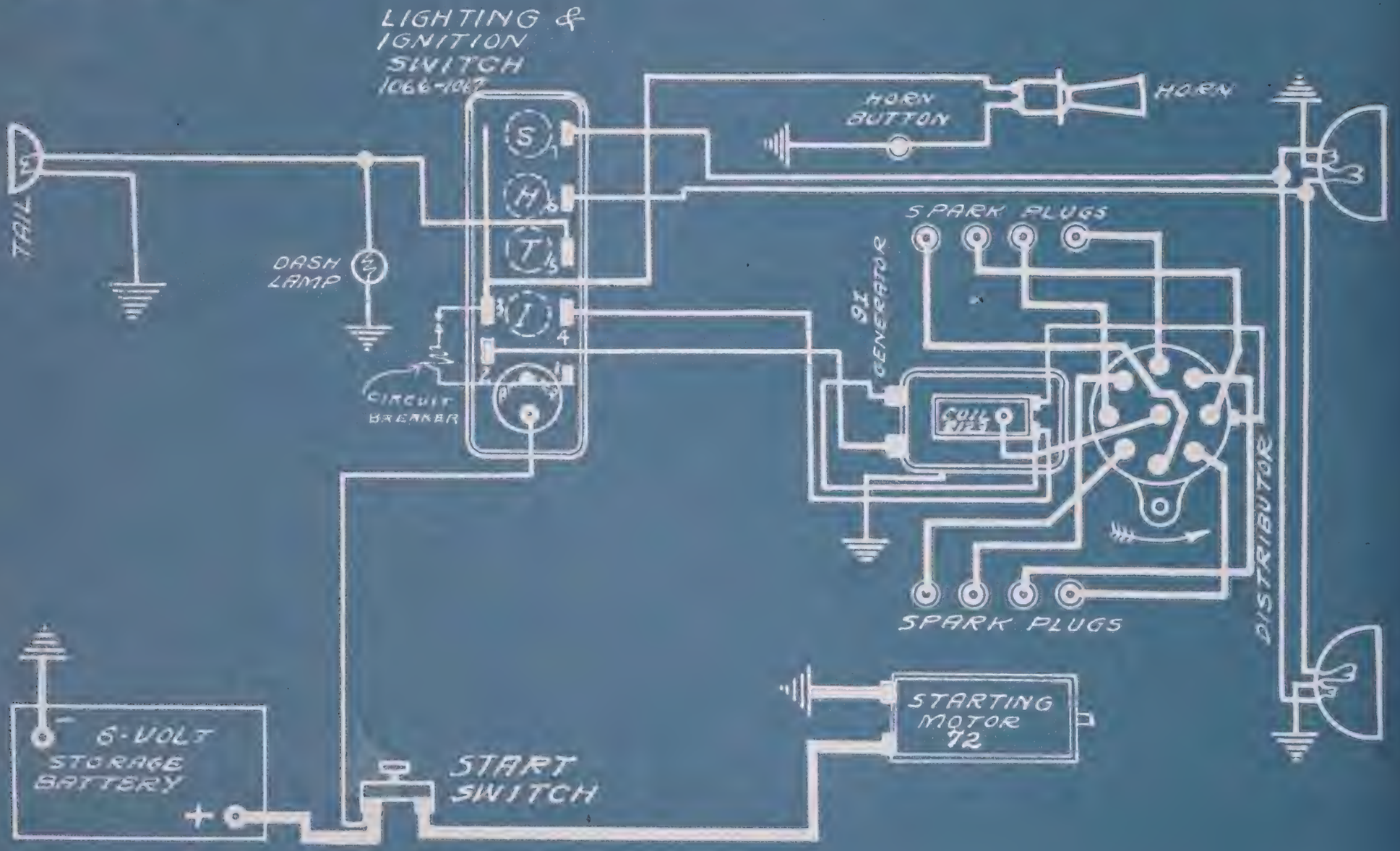
OLDSMOBILE 1916 43

DELCO SYSTEM



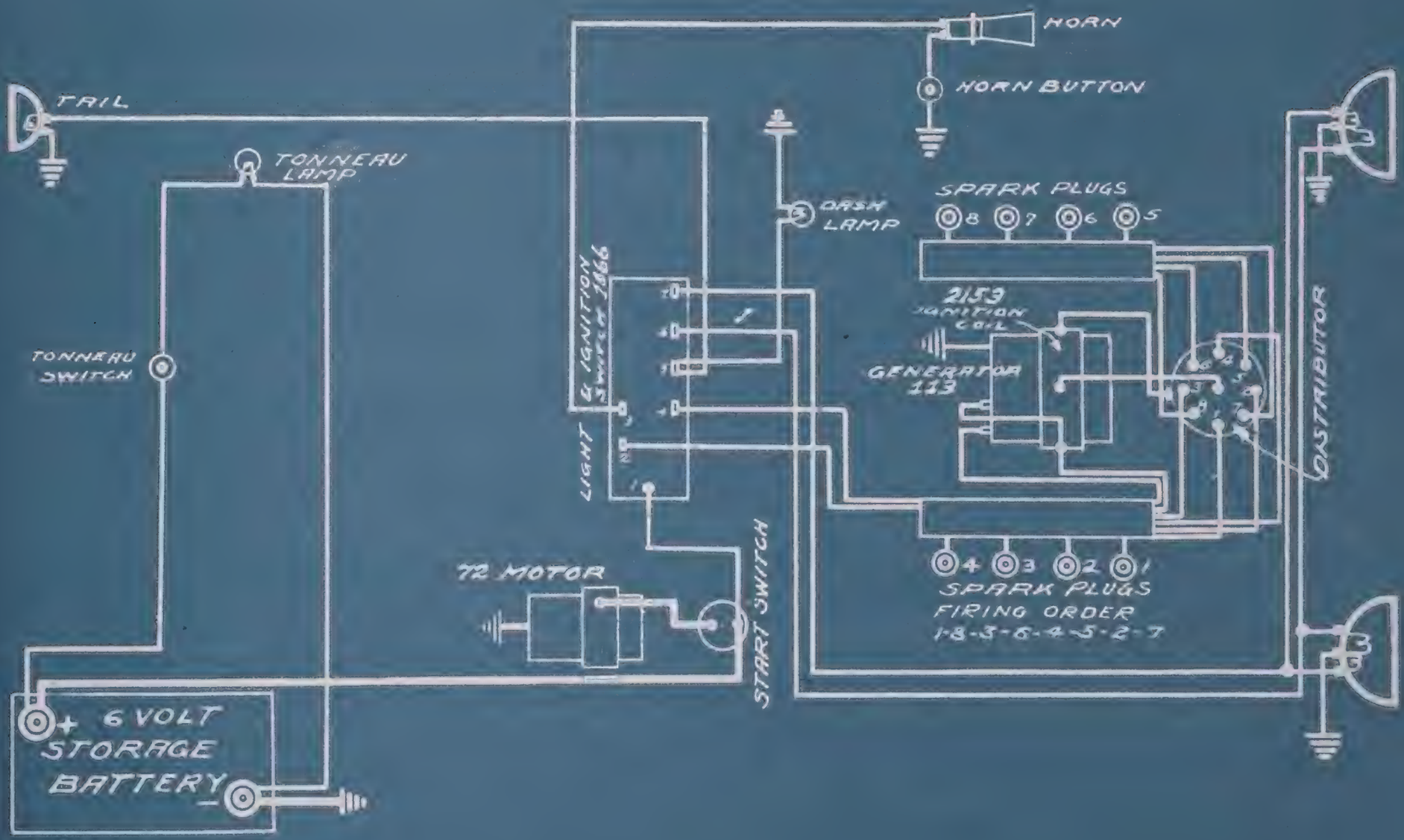
OLDSMOBILE 1916 44

DELCO SYSTEM



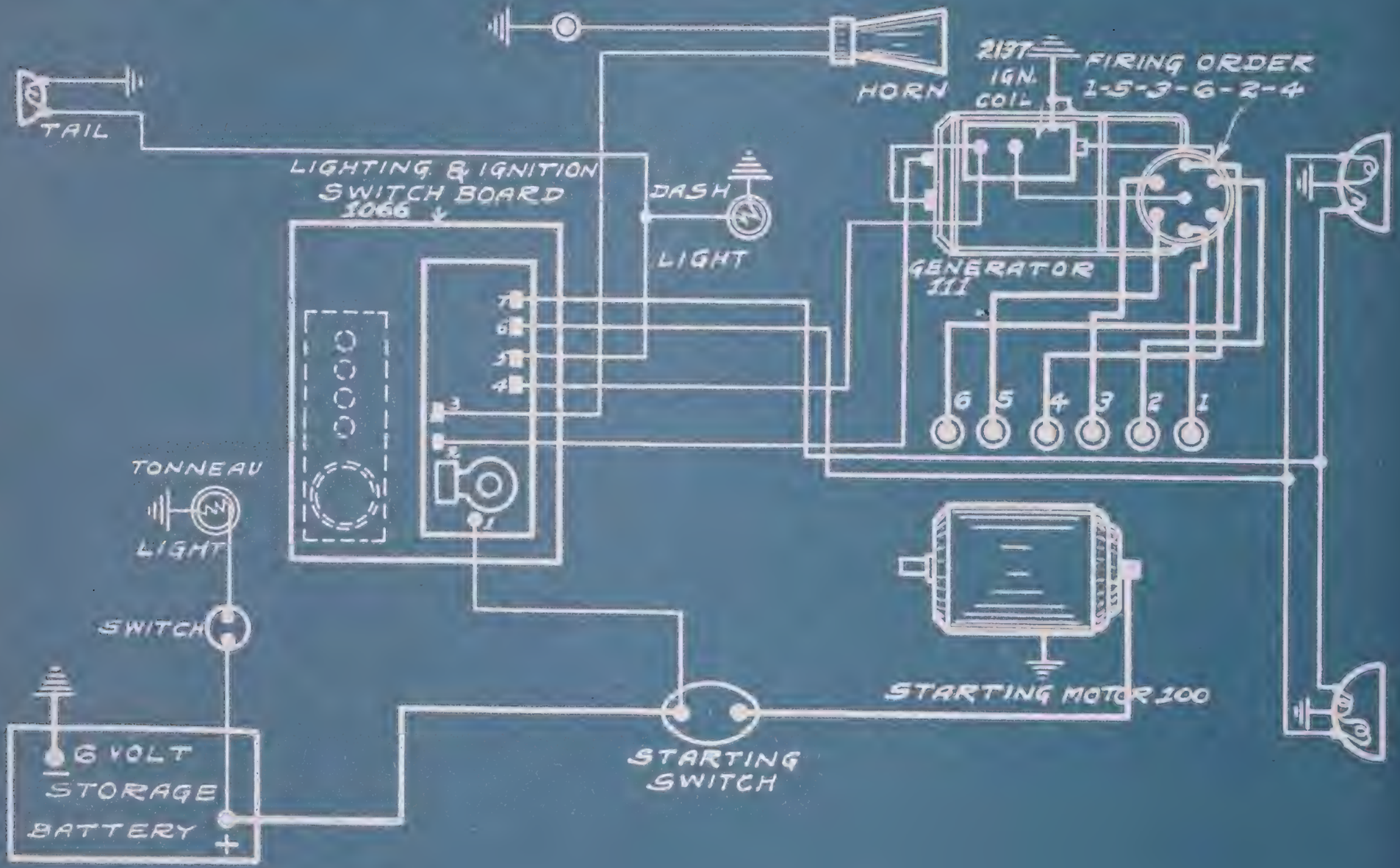
OLDSMOBILE 1916-1917 45

DELCO SYSTEM

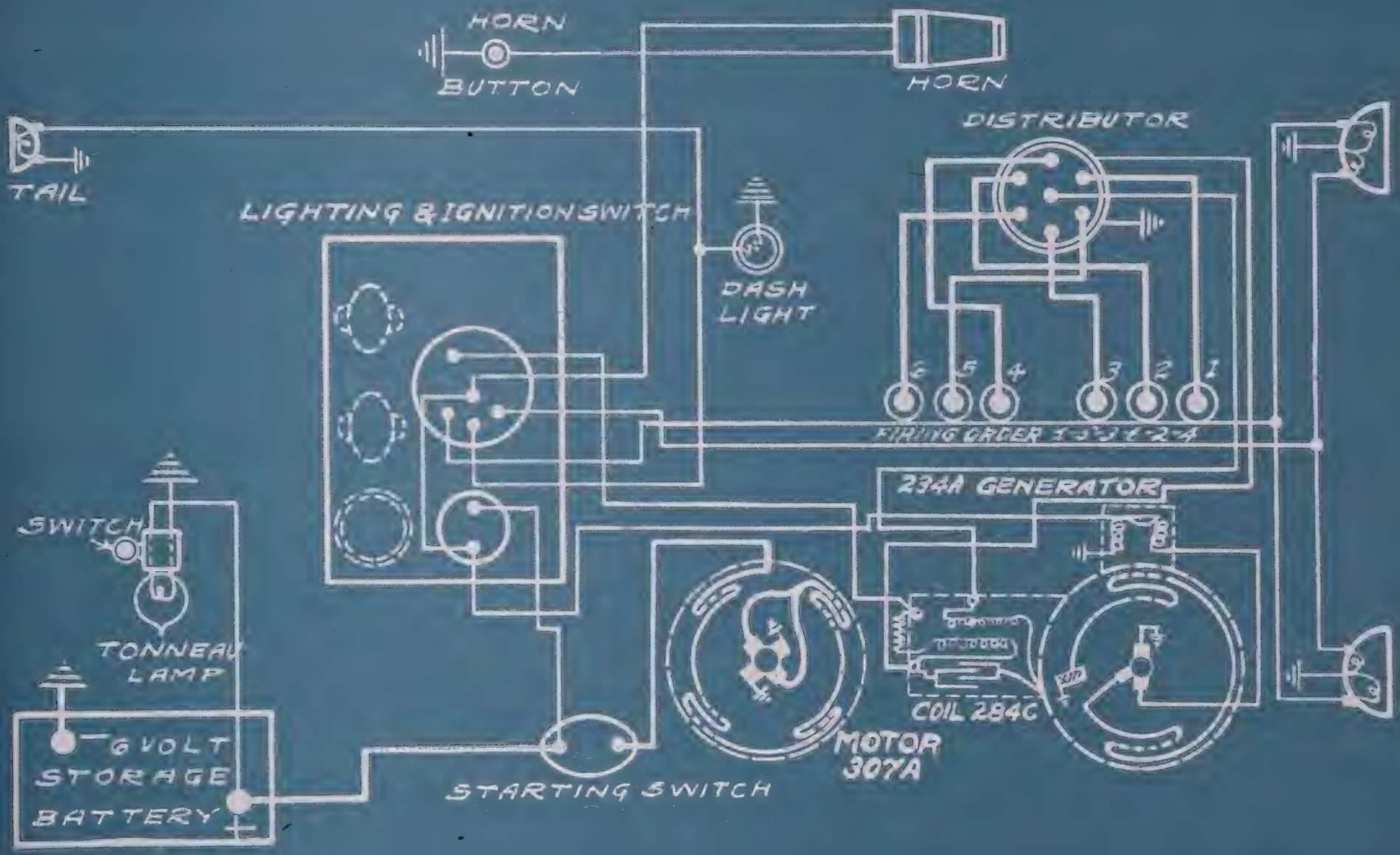


OLDSMOBILE 1917 37

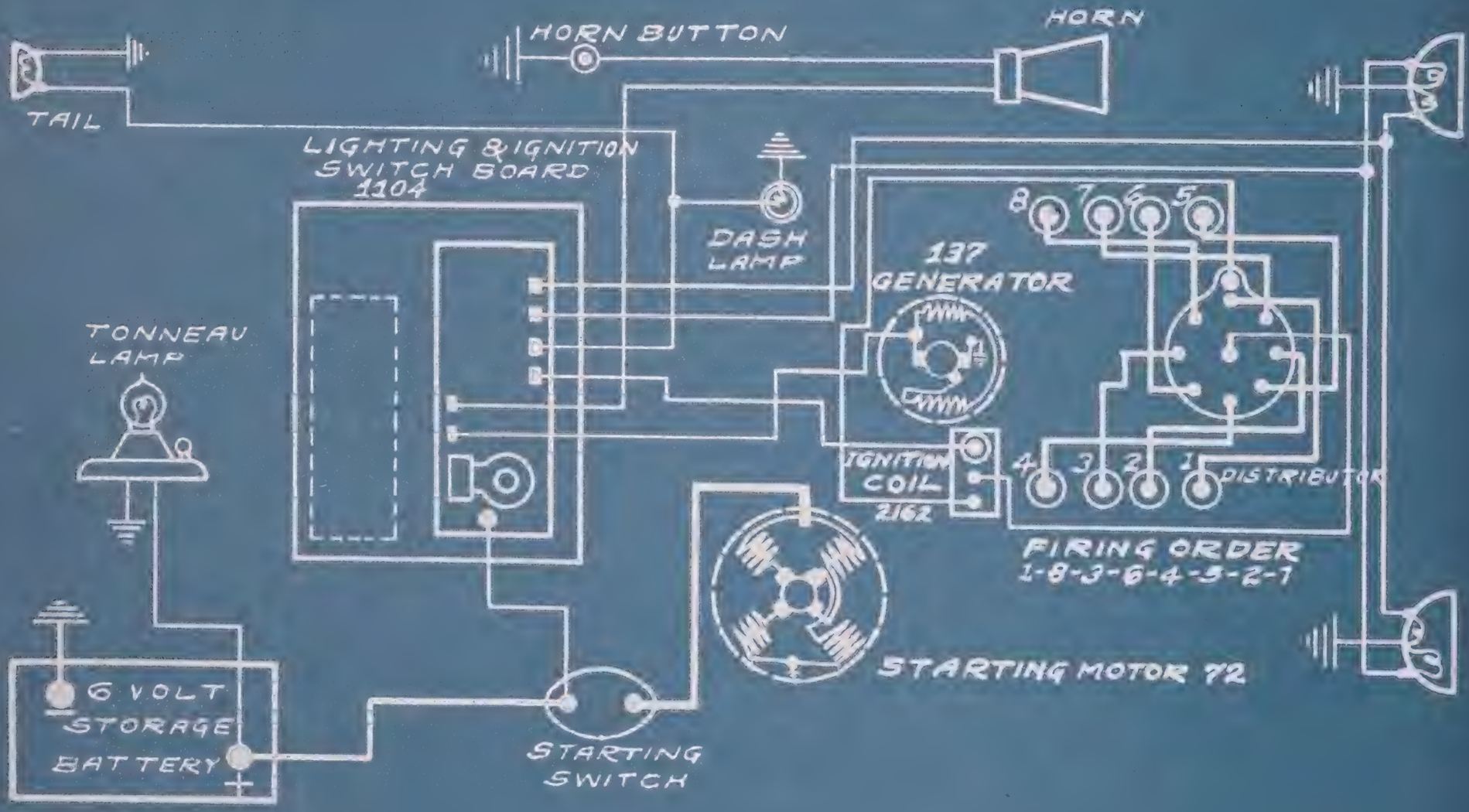
DELCO SYSTEM



OLDSMOBILE 1918, 1919, 1920 1921 MODELS 37, 37-A
REMY SYSTEM



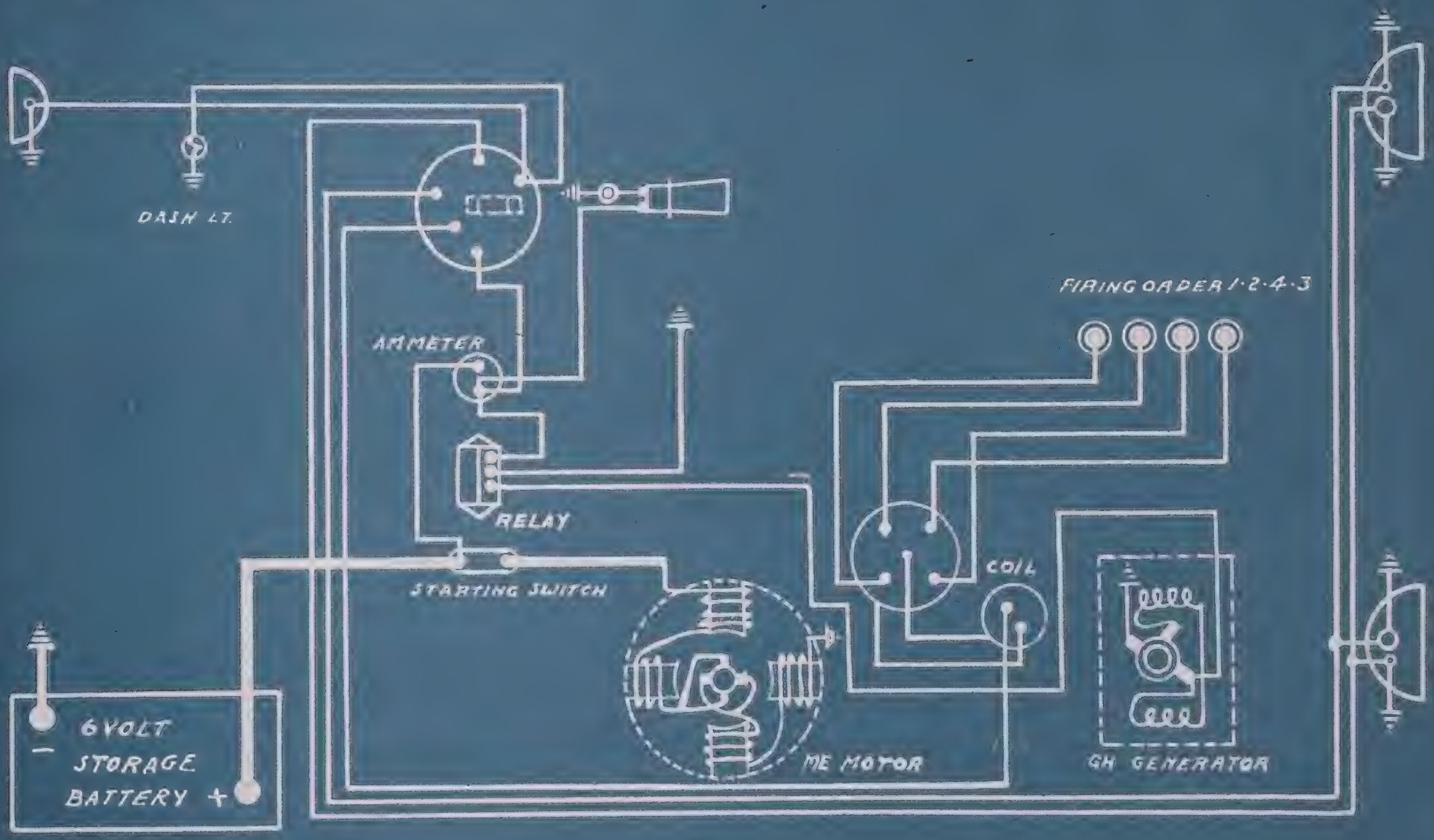
OLDSMOBILE 1918, 1919, 1920 MODEL 45-A. & B.
DELCO SYSTEM MODEL 46 & 47 - 1921



OLDSMOBILE "43 A" 1921-1922

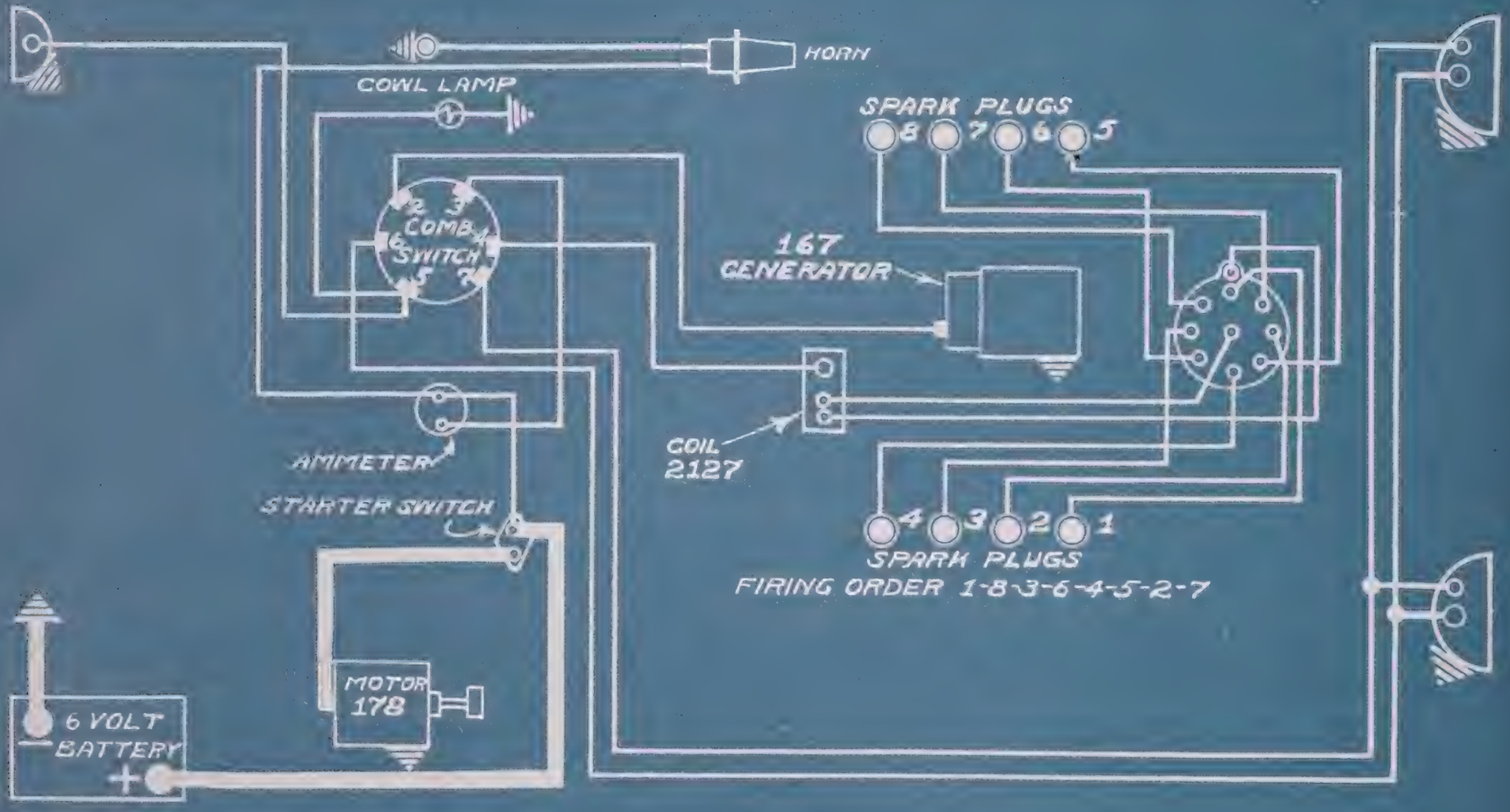
AUTO LITE SYSTEM

REMY IGN.



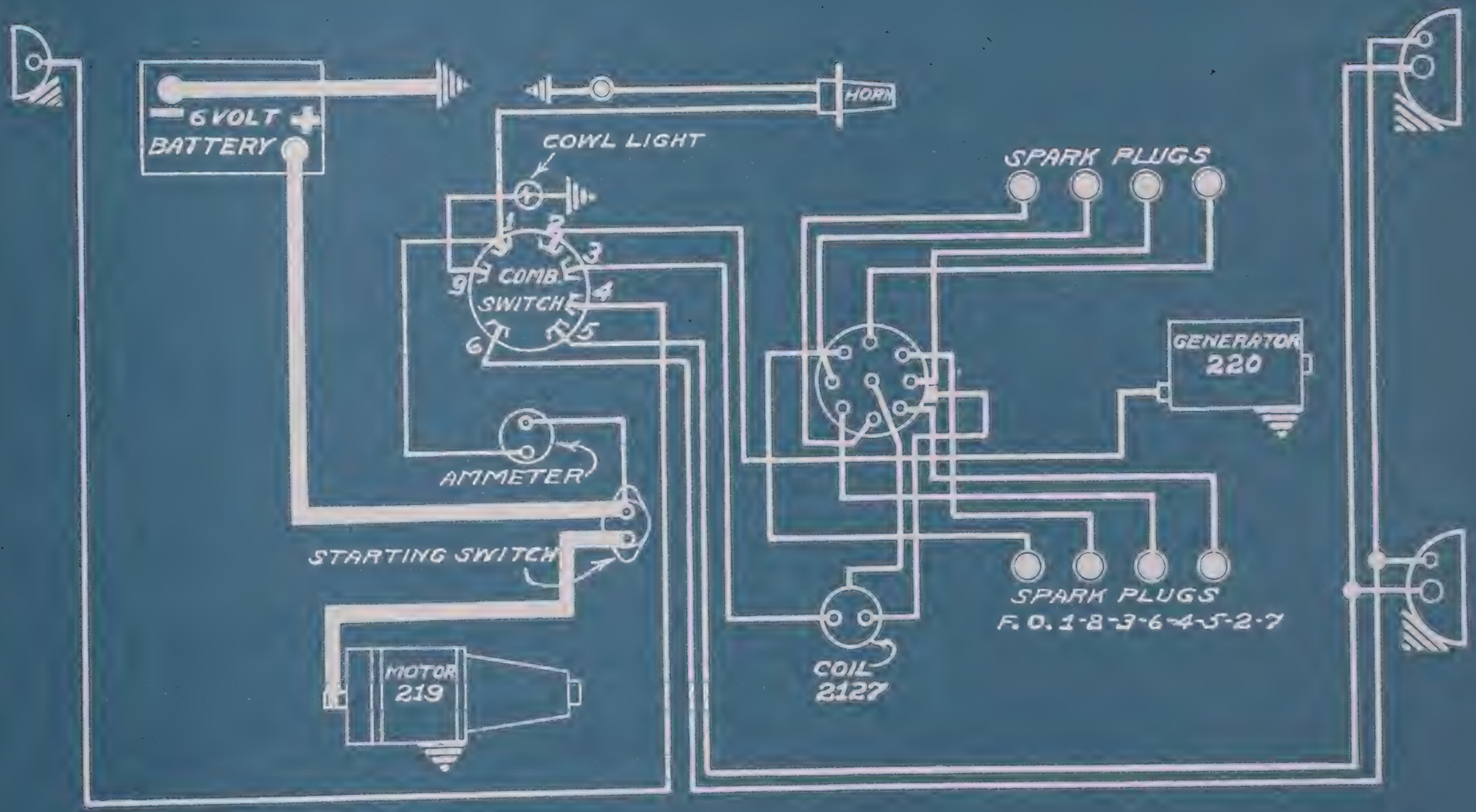
OLDSMOBILE "45-B & 46" 1922

DELCO SYSTEM



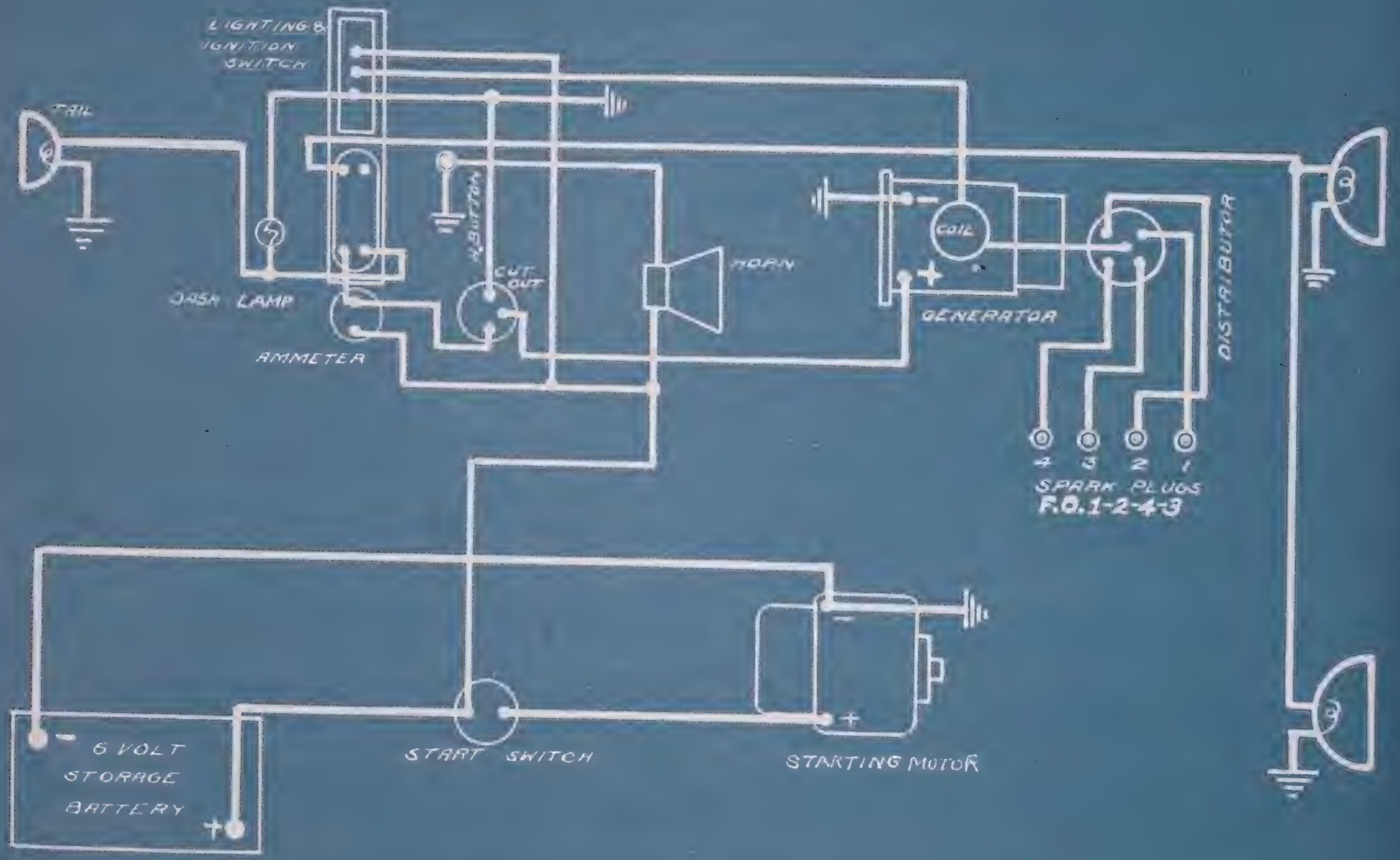
OLDSMOBILE "47" 1922

DELCO SYSTEM

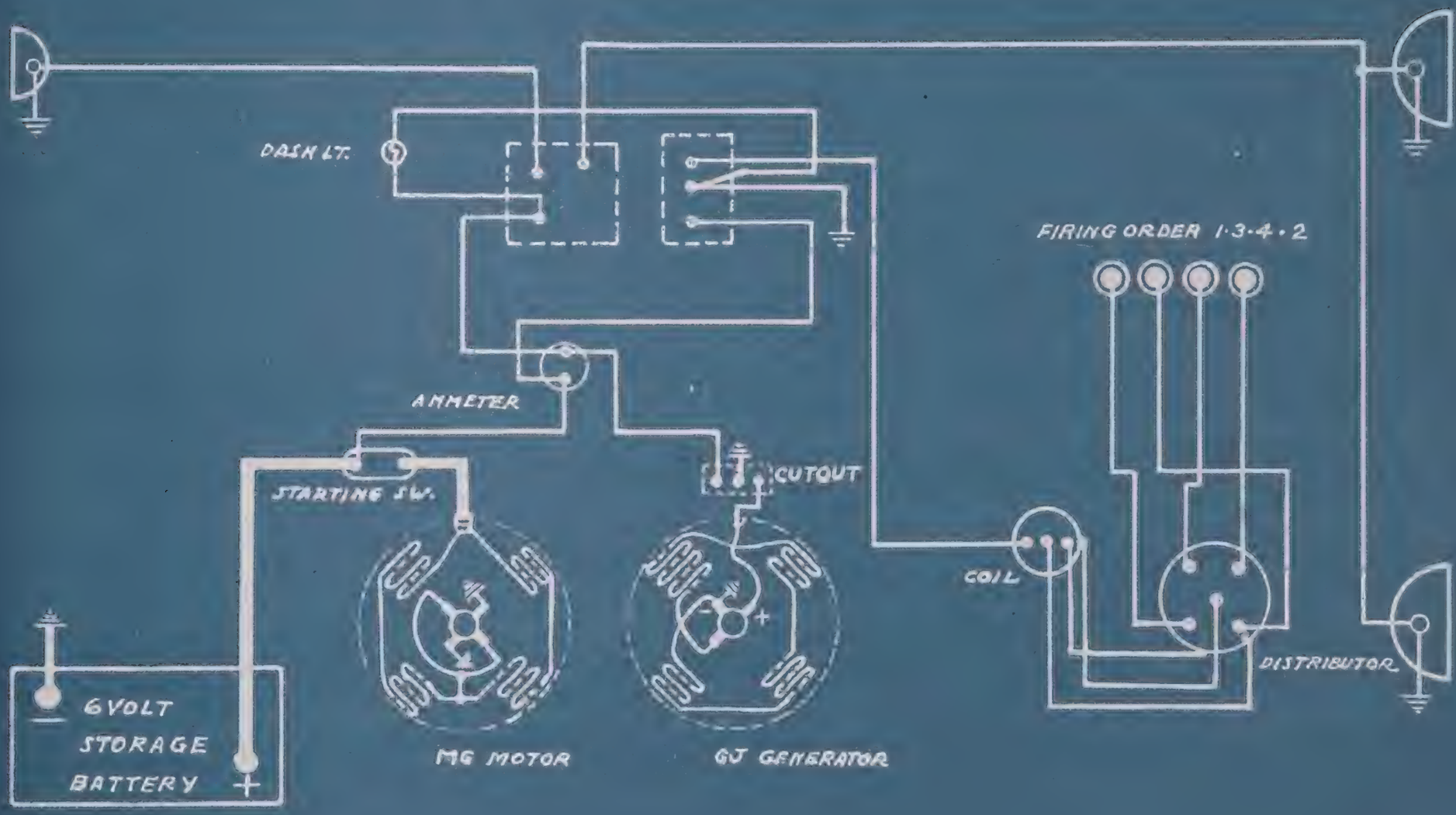


OLYMPIAN MODEL 35 1917

AUTOLITE SYSTEM

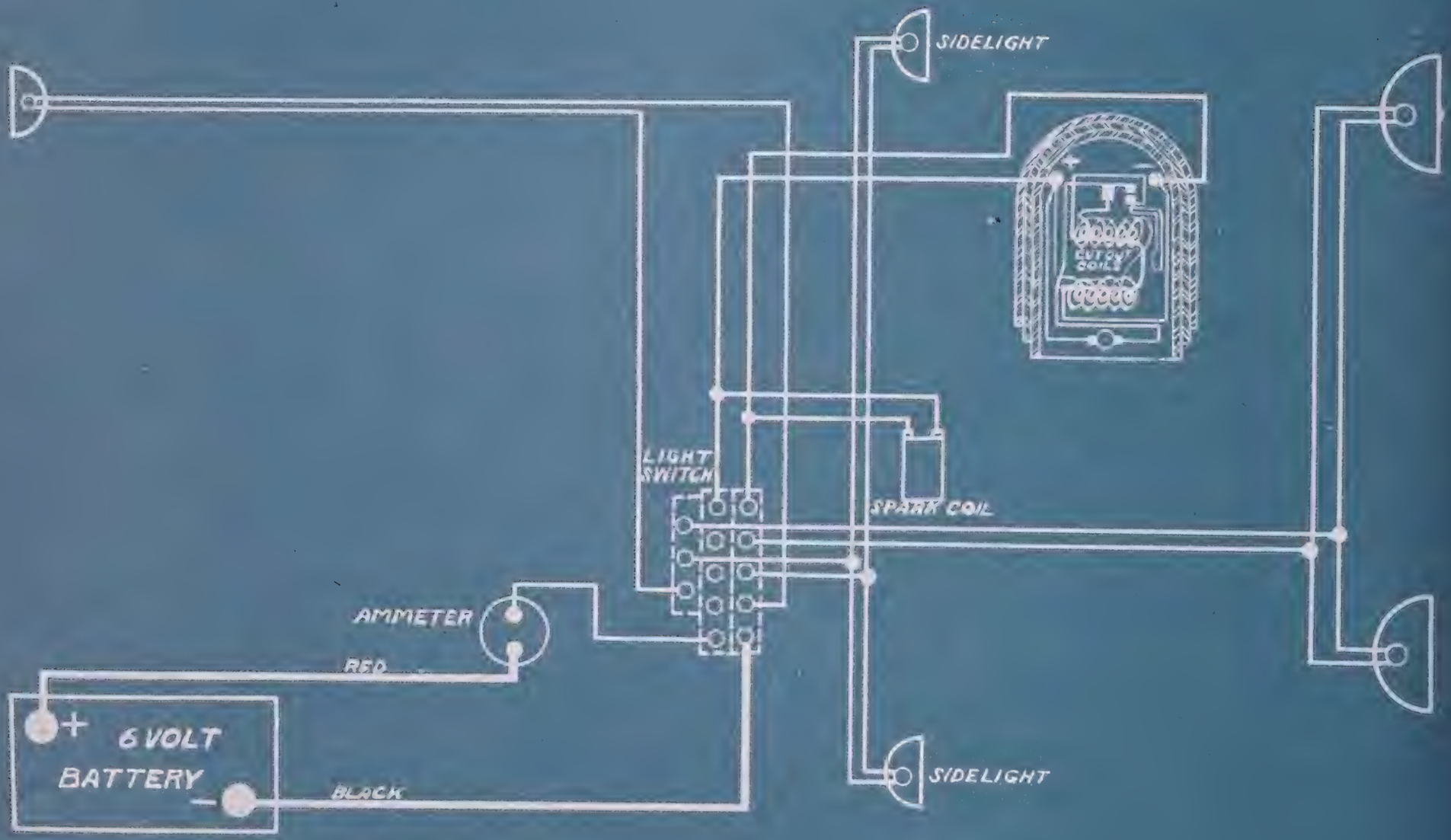


OLYMPIAN "45" 1920
AUTO-LITE SYSTEM
CONN. IGN.



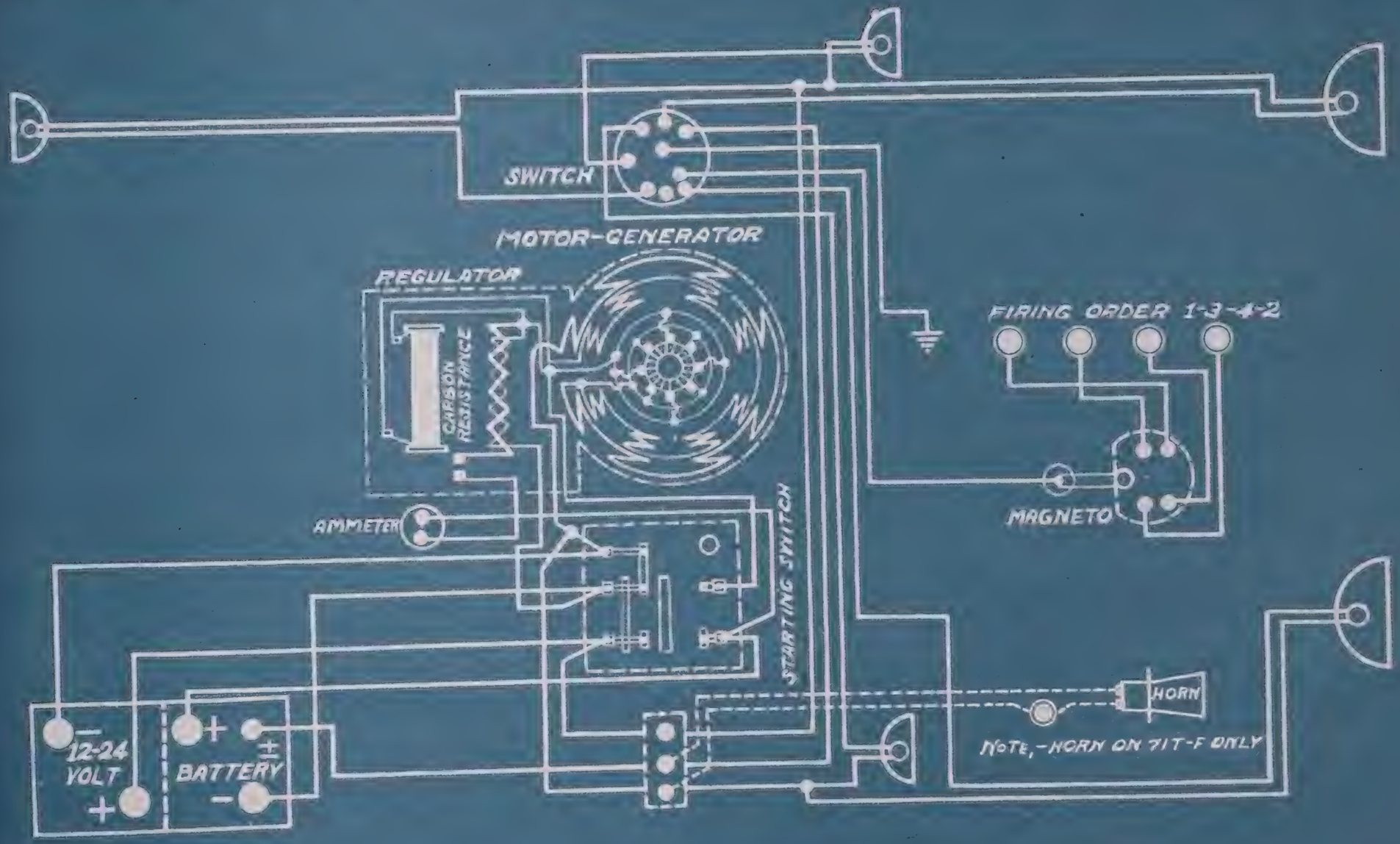
OVERLAND 69 & 71 1913

AUTO-LITE SYSTEM



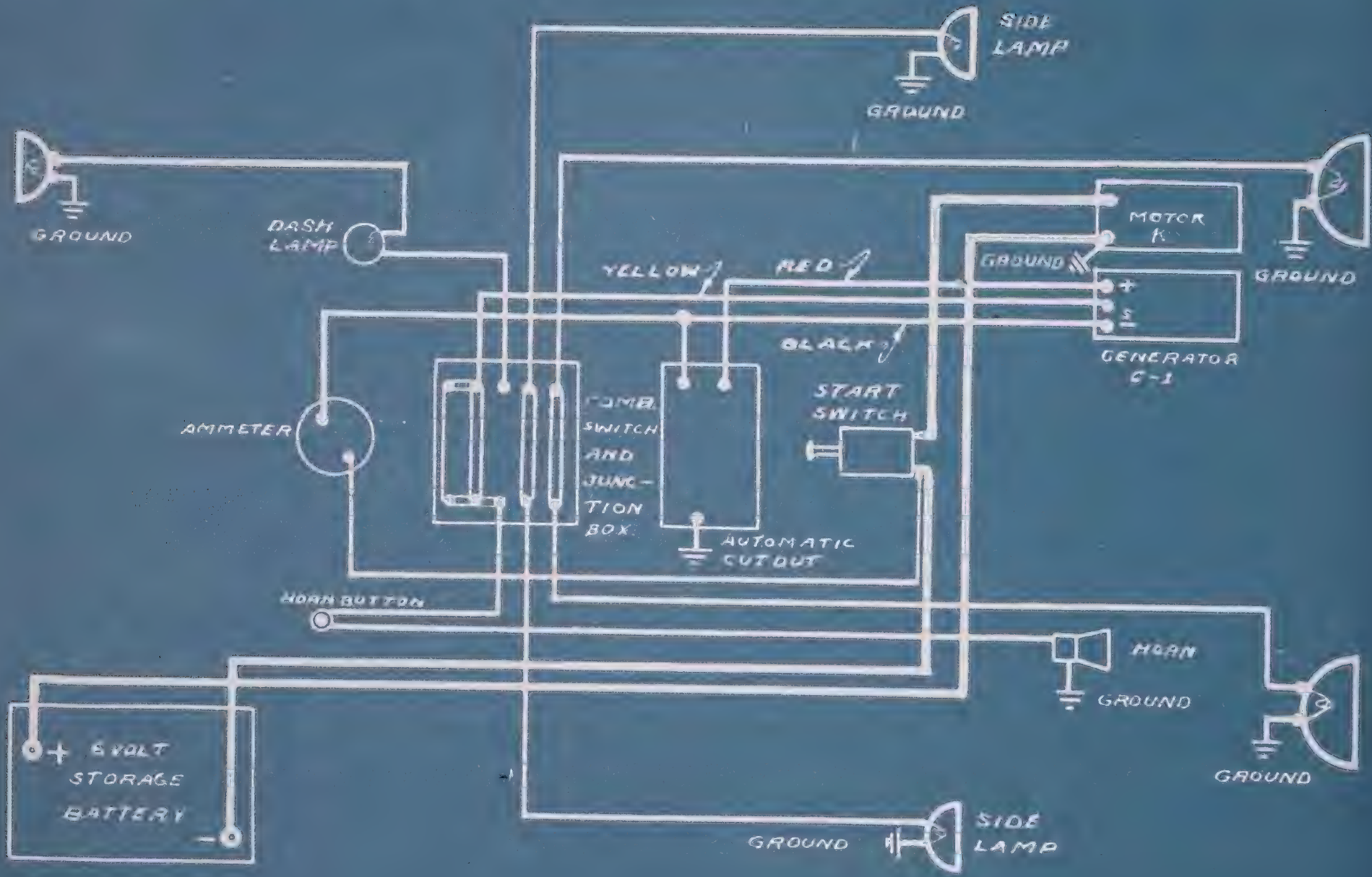
OVERLAND 69 & 71 1913

U.S.L. SYSTEM



OVERLAND 1914 79-B

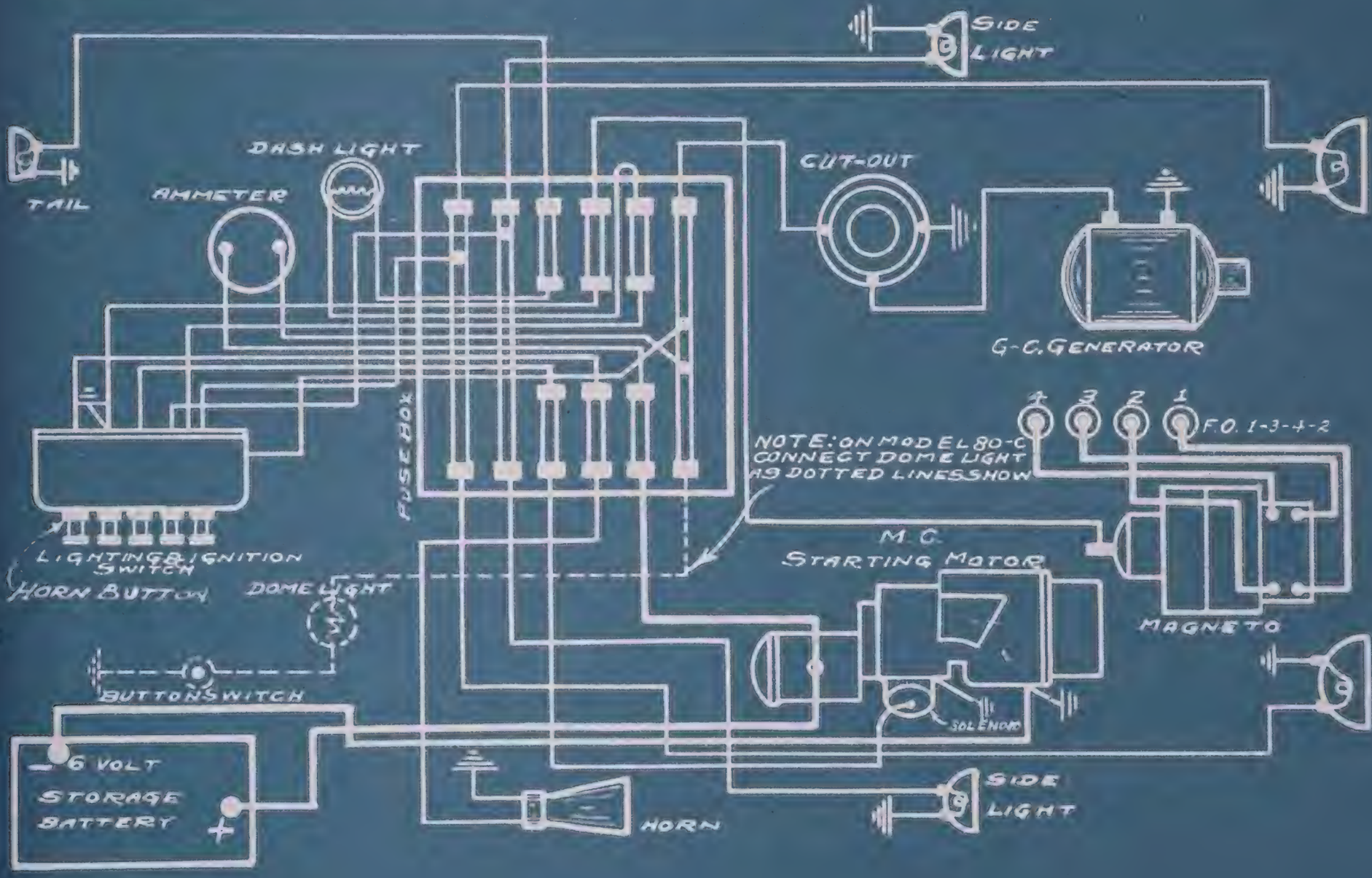
GRAY AND DAVIS SYSTEM



OVERLAND 1915 80-C & 80-T&R

AUTOLITE SYSTEM

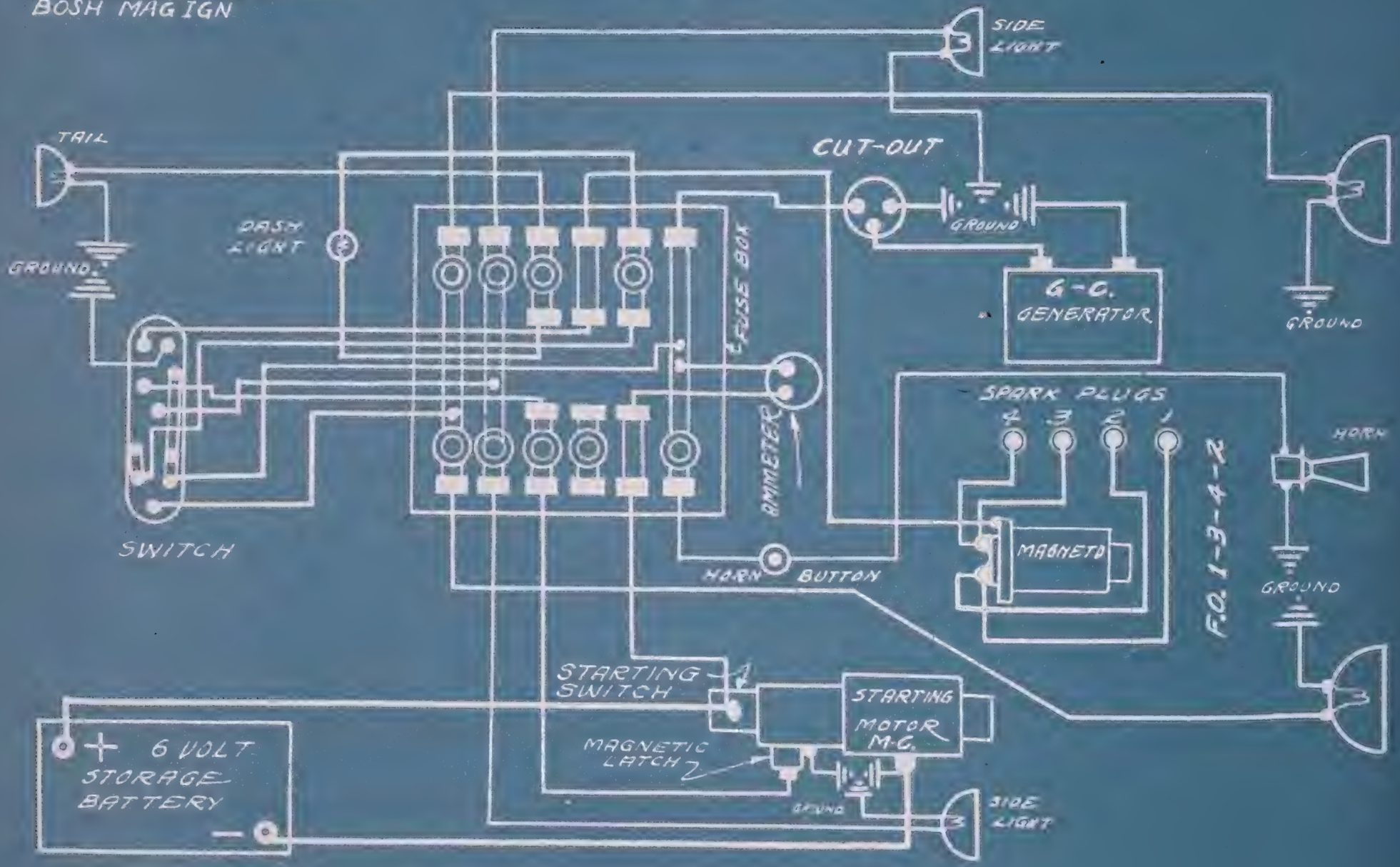
BOSCH MAG IGN.



OVERLAND 1915 81-LD & T-R

AUTOLITE SYSTEM

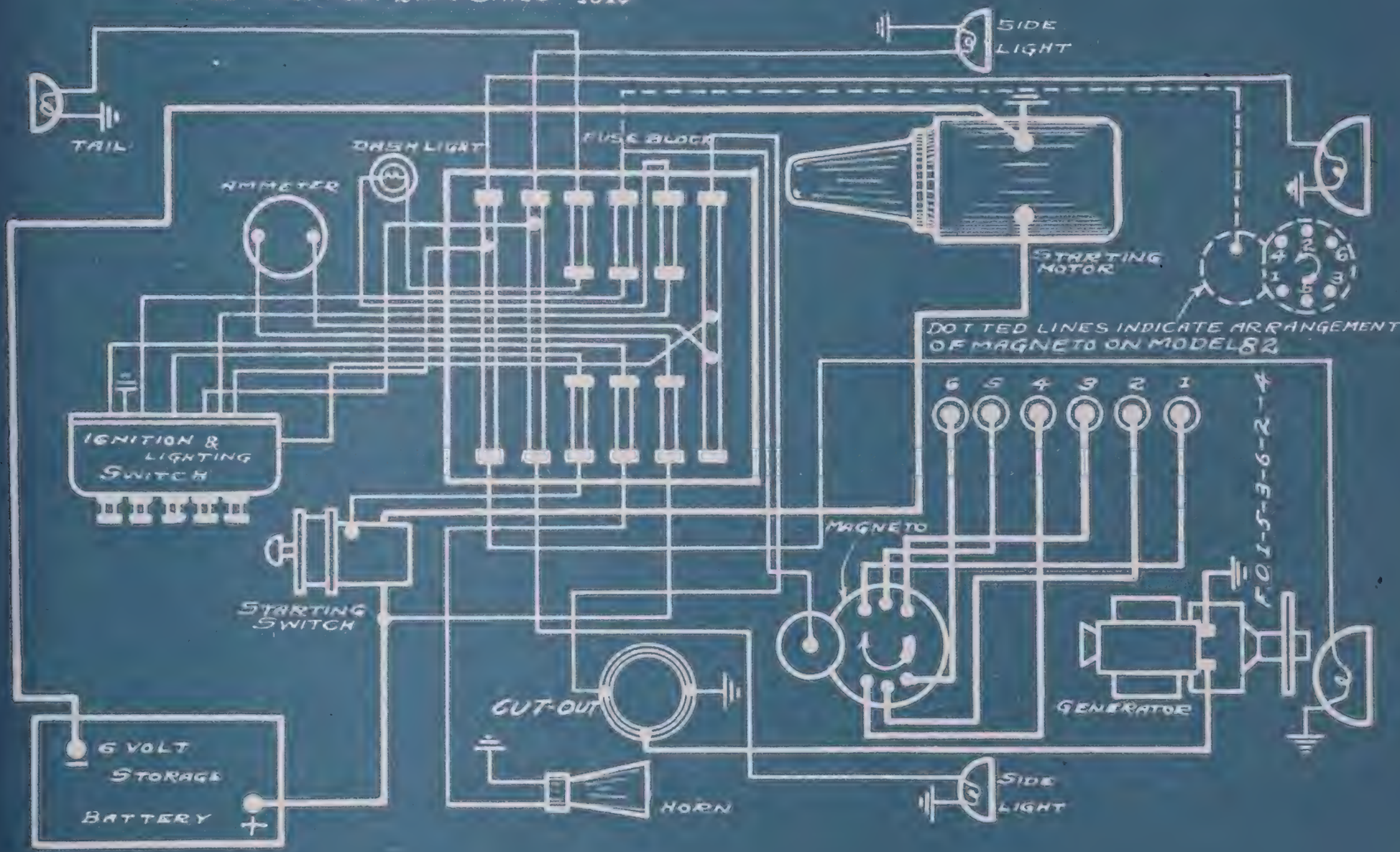
BOSH MAG IGN



OVERLAND 1915 "82" & 1916 "86"

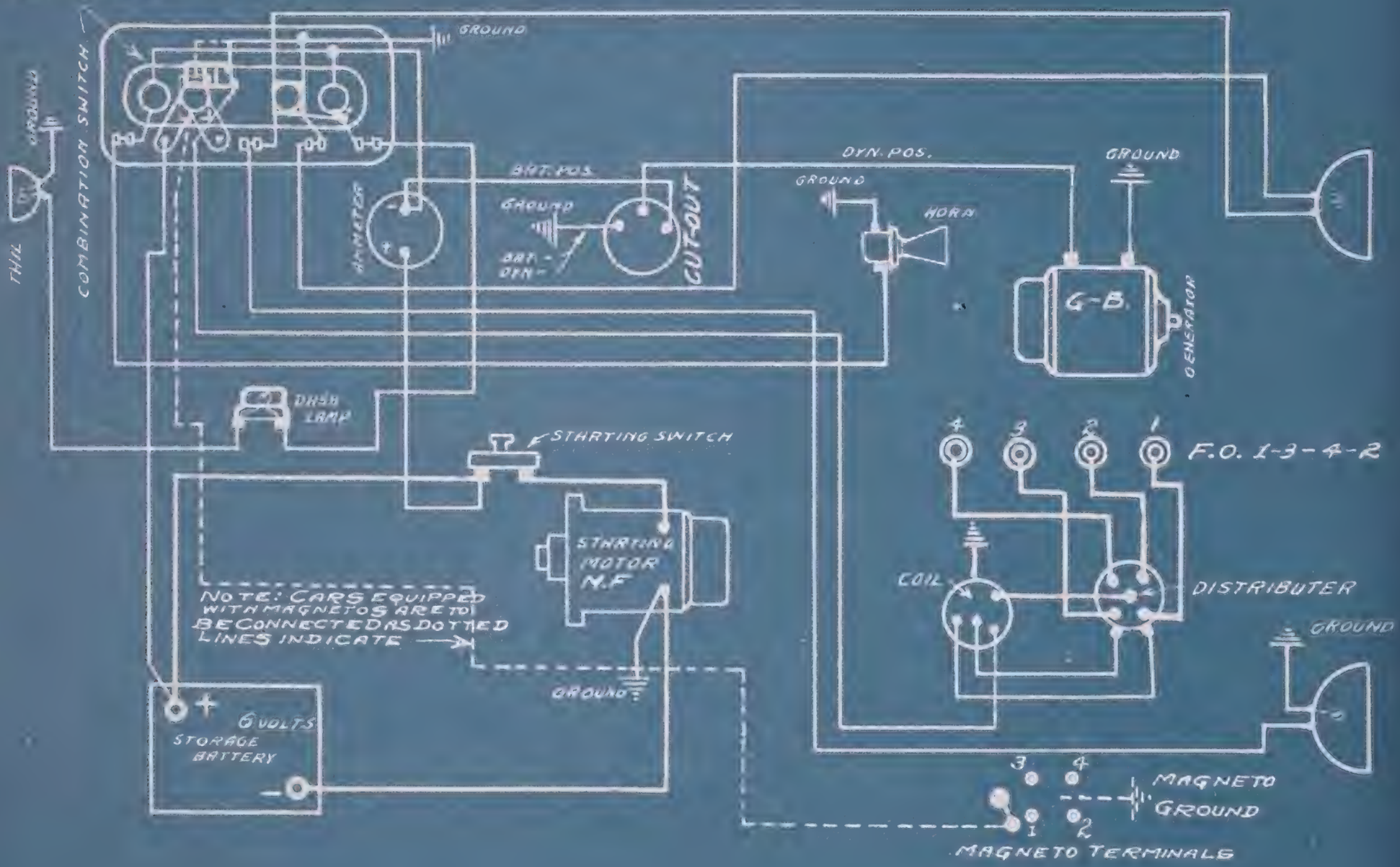
AUTOLITE SYSTEM

USED FOR FIRST 2150 CARS 1916

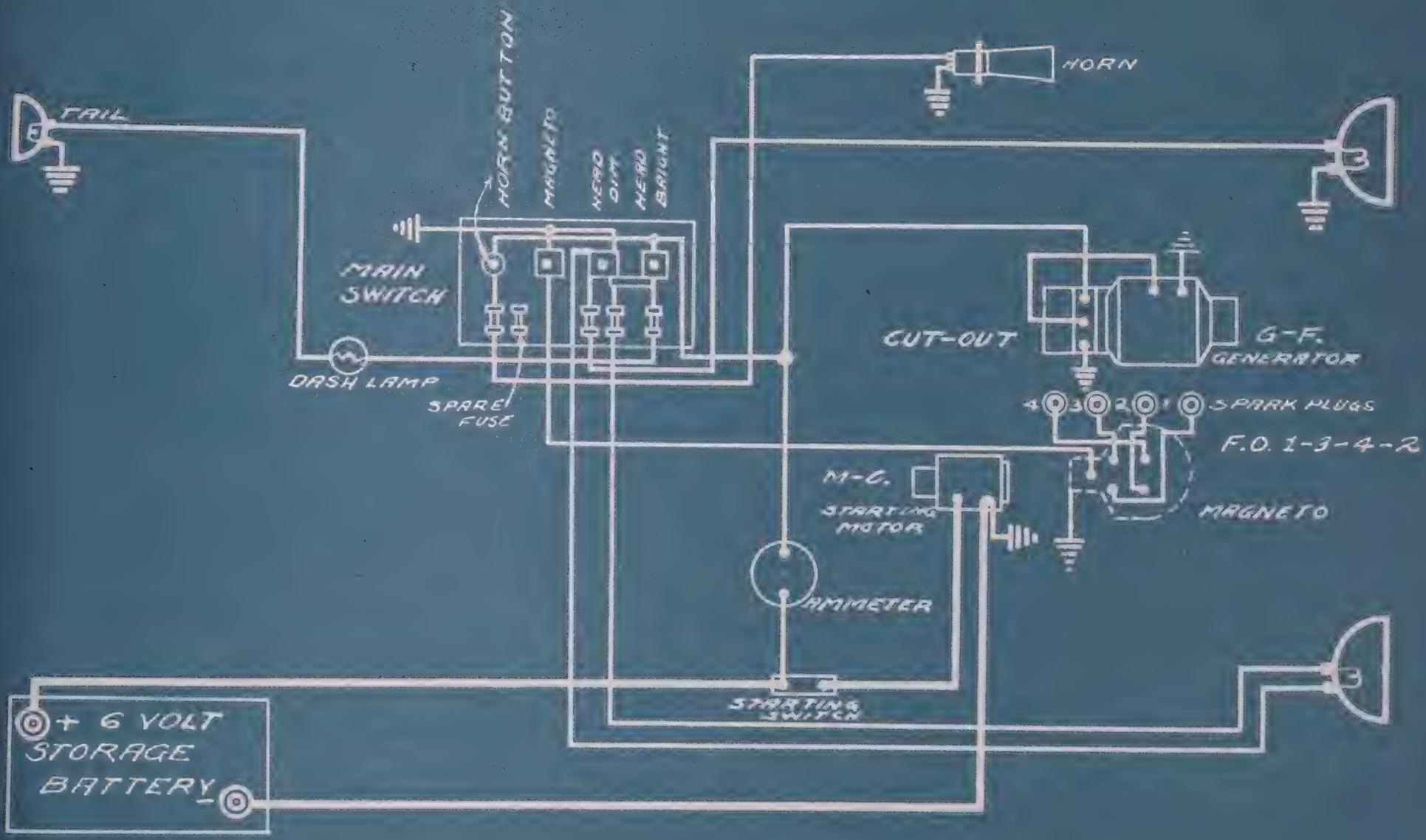


OVERLAND 1916 75T & 75LD

AUTOLITE SYSTEM -CARS 33850 TO 55000-



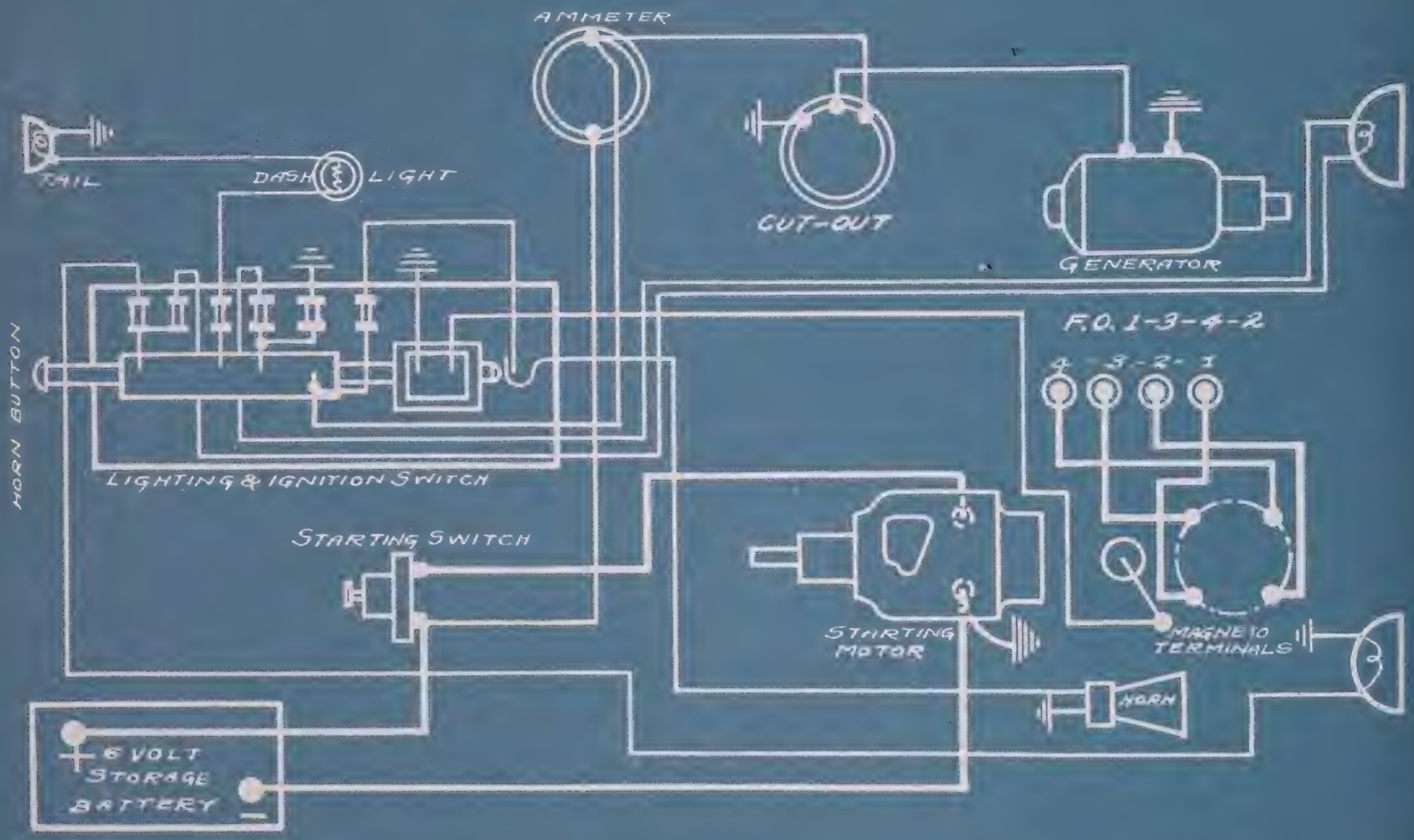
OVERLAND 1916 MODEL 83-B-DE
AUTOLITE SYSTEM



OVERLAND 1916 83-LD-EX-T-R

AUTOLITE SYSTEM

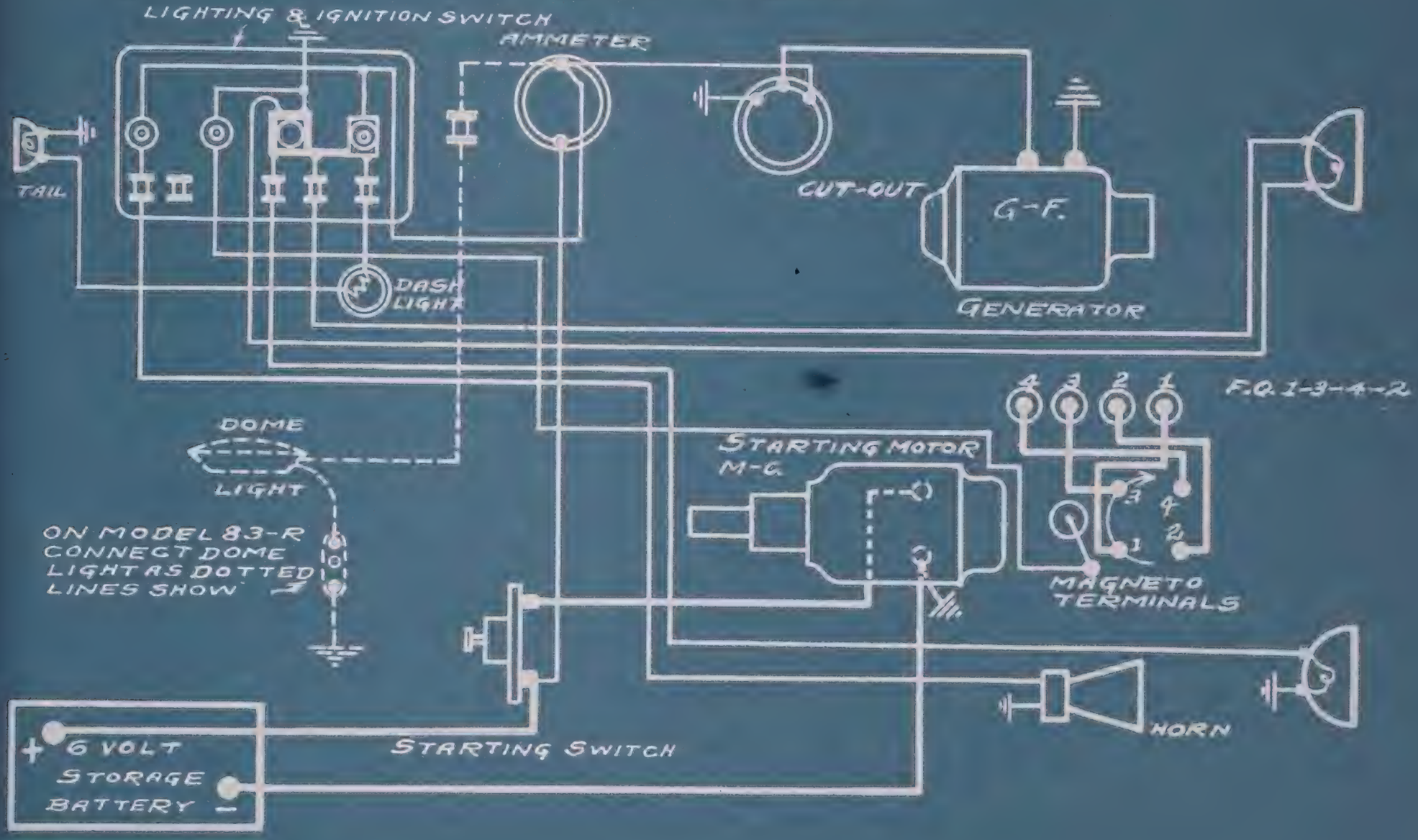
USED ON EARLY CARS

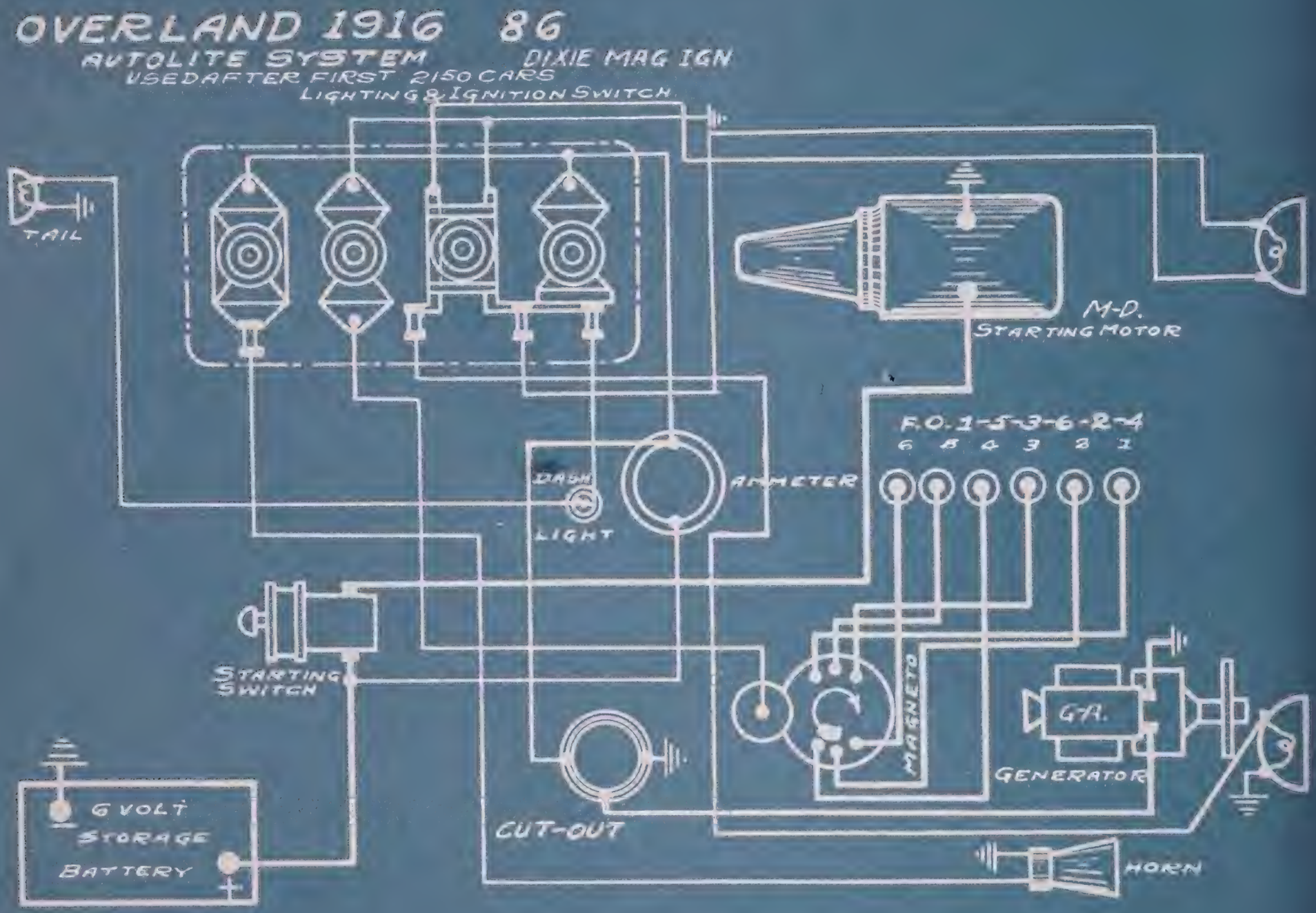


OVERLAND 1916 — 83-T-EX-LD-B-D-E & R.

AUTOLITE SYSTEM
DIXIE-MAG IGN

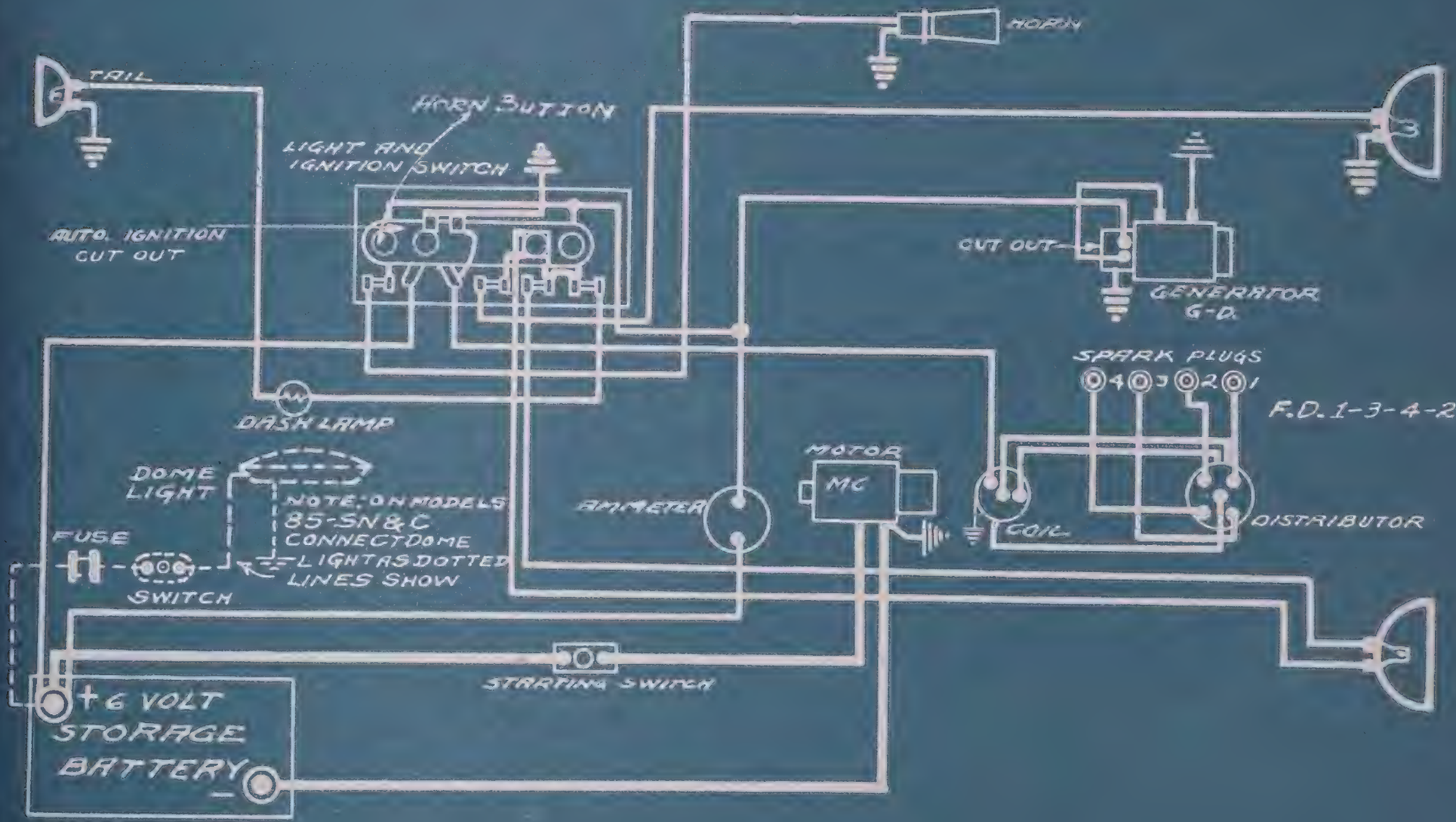
USED ON LATE MODELS




OVERLAND 1916 86
AUTOLITE SYSTEM
DIXIE MAG IGN
USED AFTER FIRST 2150 CARS
LIGHTING & IGNITION SWITCH
TAIL
M-D.
STARTING MOTOR
F.O. 1-5-3-6-2-4
6 5 4 3 2 1
DASH
LIGHT
AMMETER
STARTING
SWITCH
MAGNETO
G.A.
GENERATOR
6 VOLT
STORAGE
BATTERY
CUT-OUT
HORN

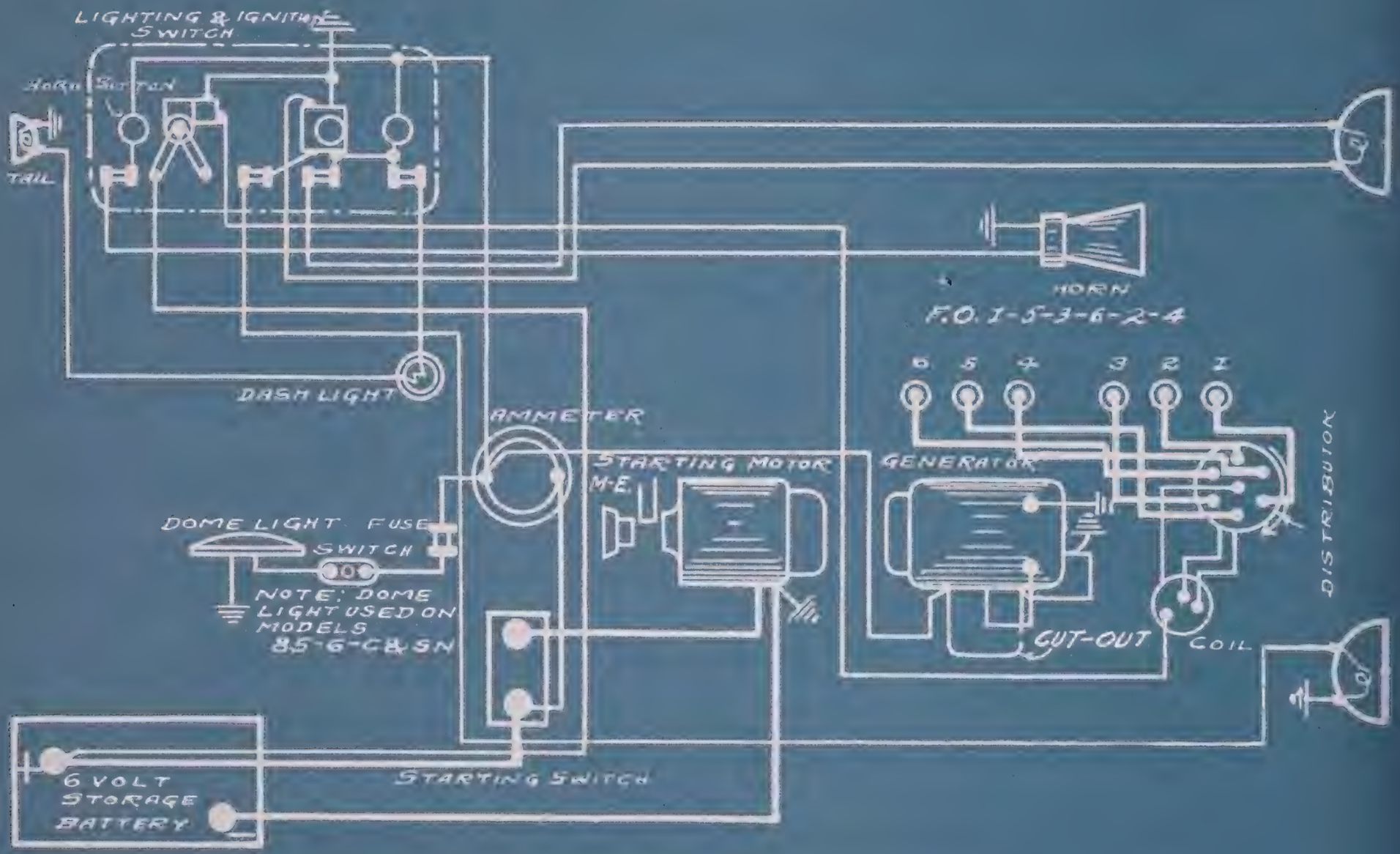
OVERLAND 1917 MODEL 85-4--T-R-C & SN

AUTOLITE SYSTEM

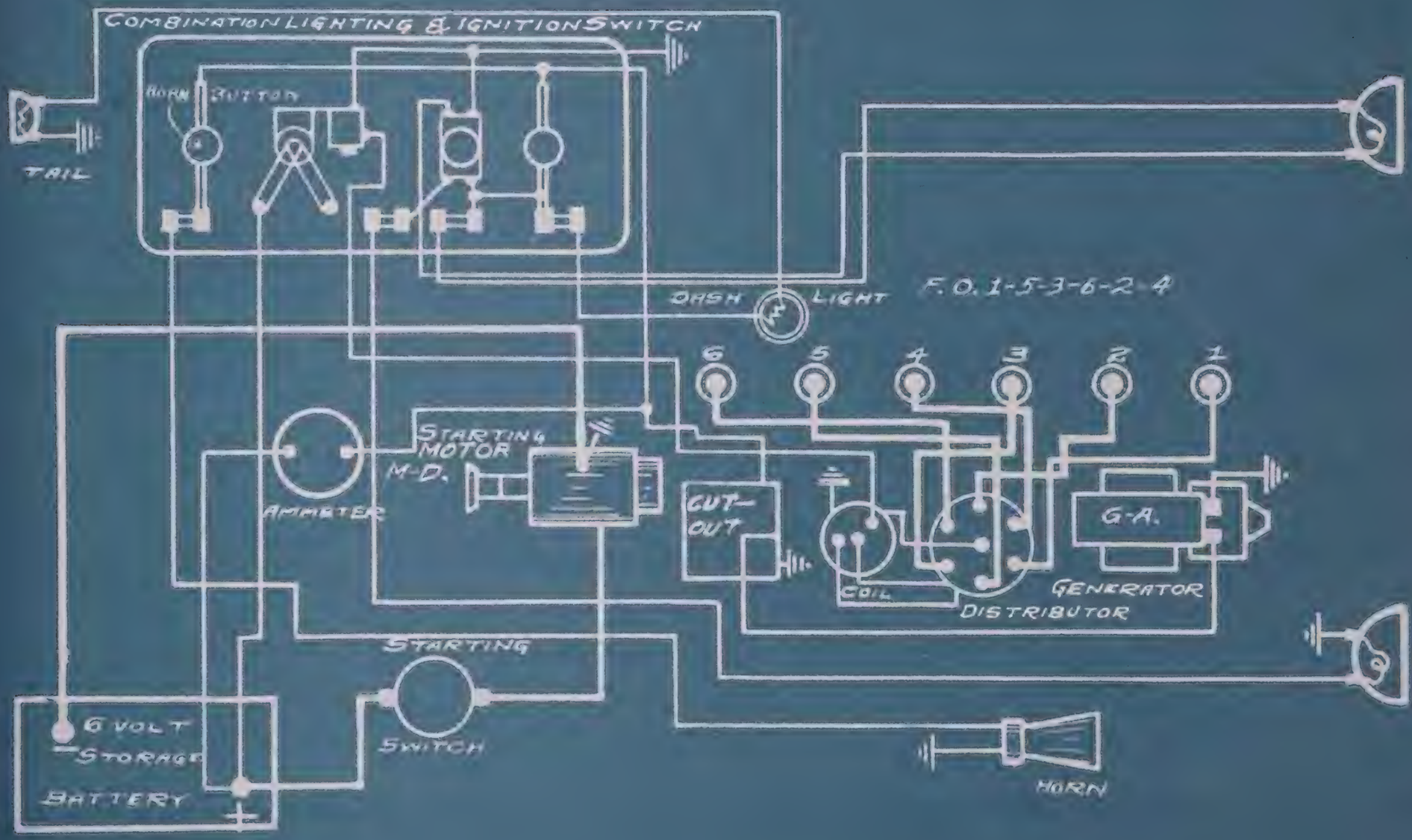


OVERLAND 1917 85-6-C-SN-T-R.

AUTOLITE SYSTEM

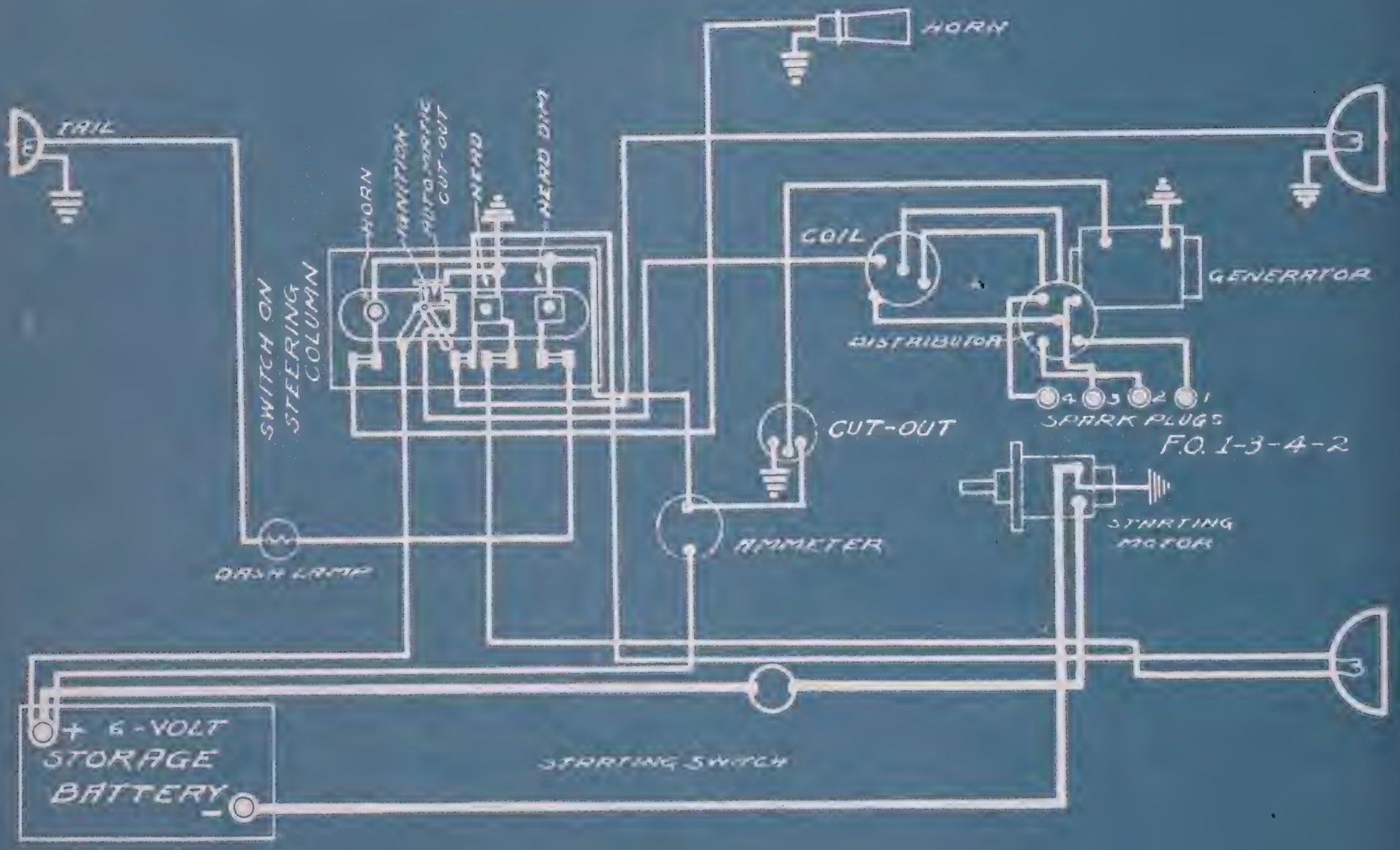


OVERLAND 1917 86-B
AUTO-LITE SYSTEM



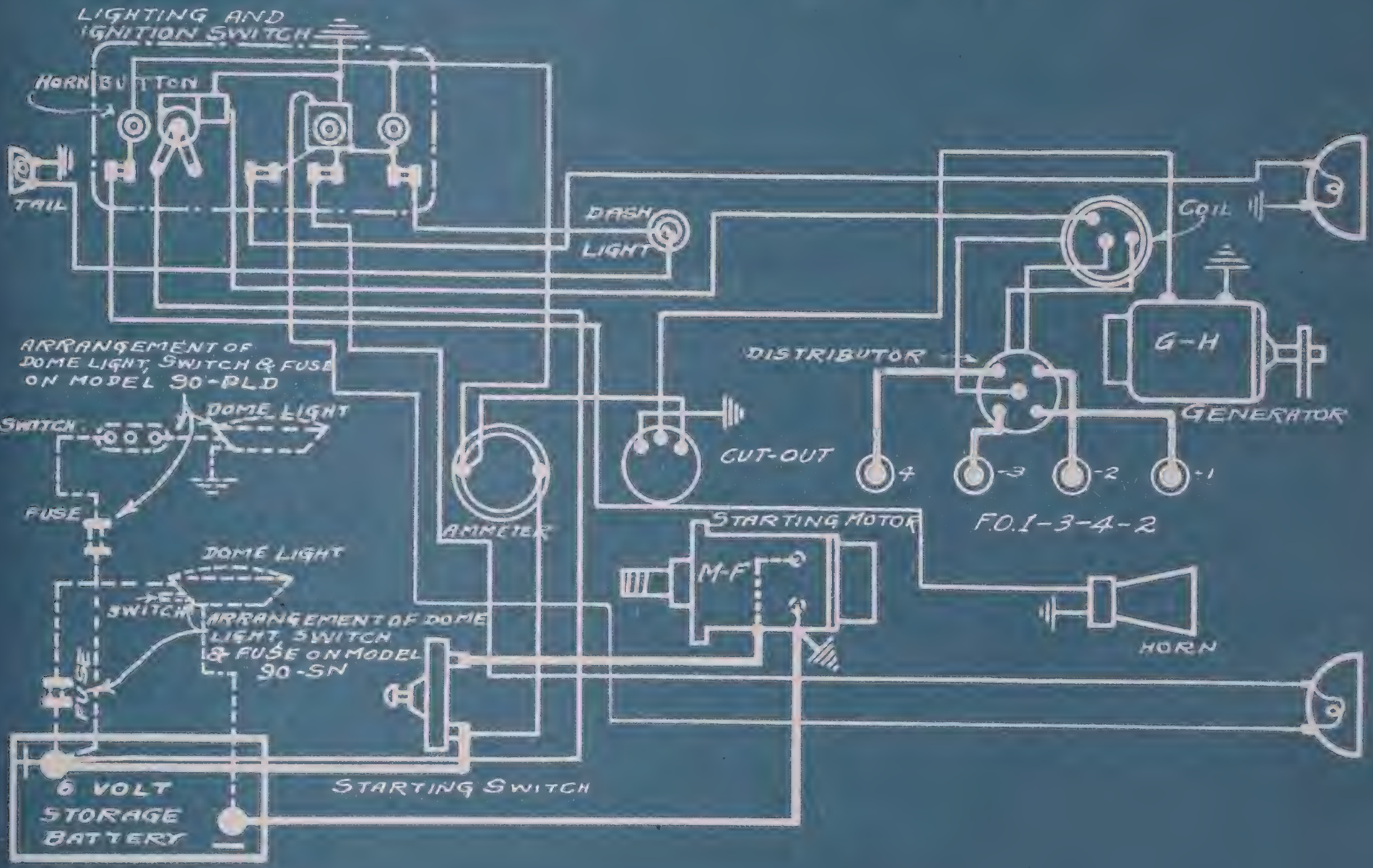
OVERLAND 1917 MODEL 90-T & 90-CL-R

AUTOLITE SYSTEM



OVERLAND 1918 90-SN-PLD-R-O-Ex

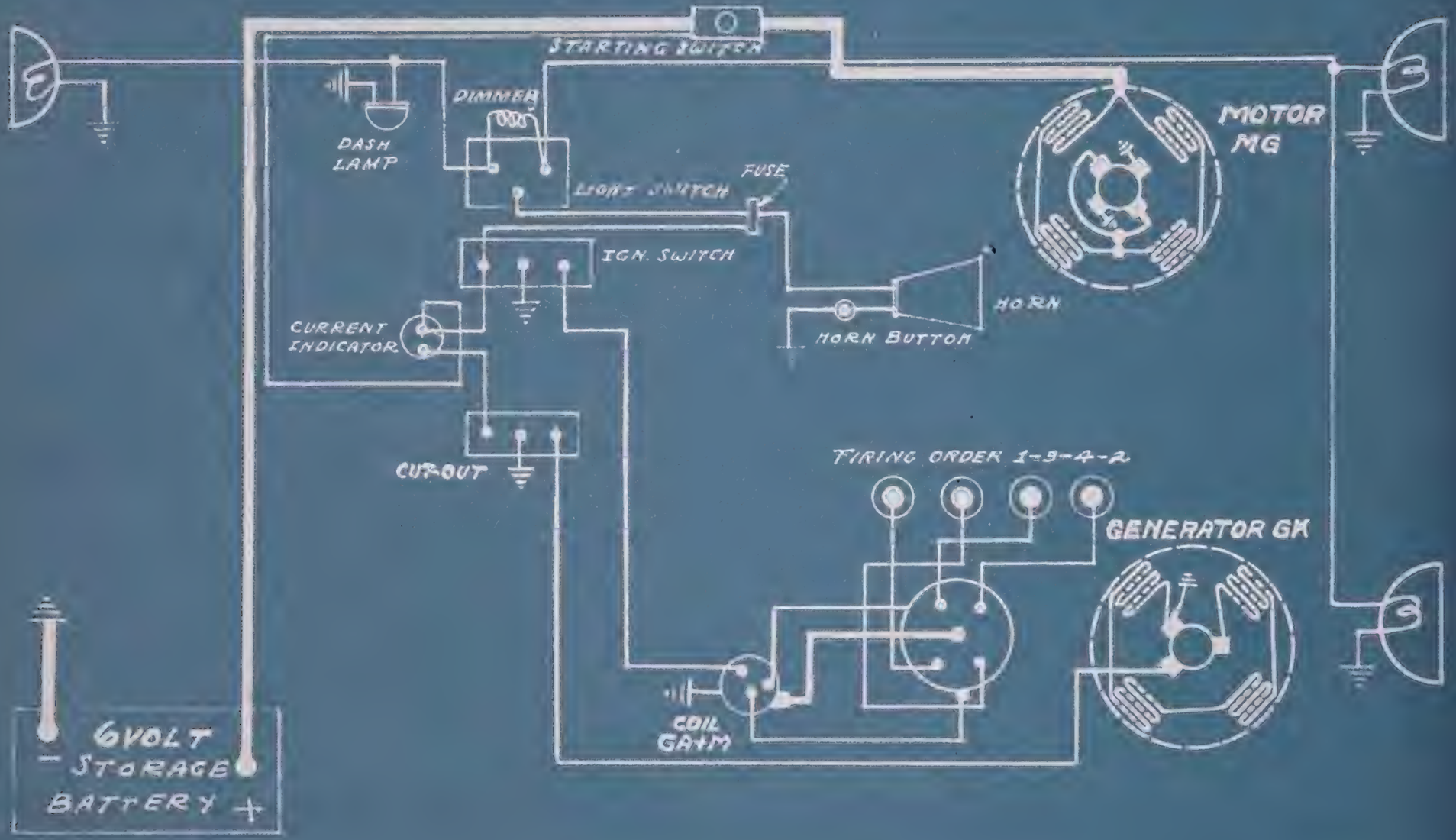
AUTOLITE SYSTEM



OVERLAND MODEL "4" 1920-1921

AUTO-LITE STG. & LTG.

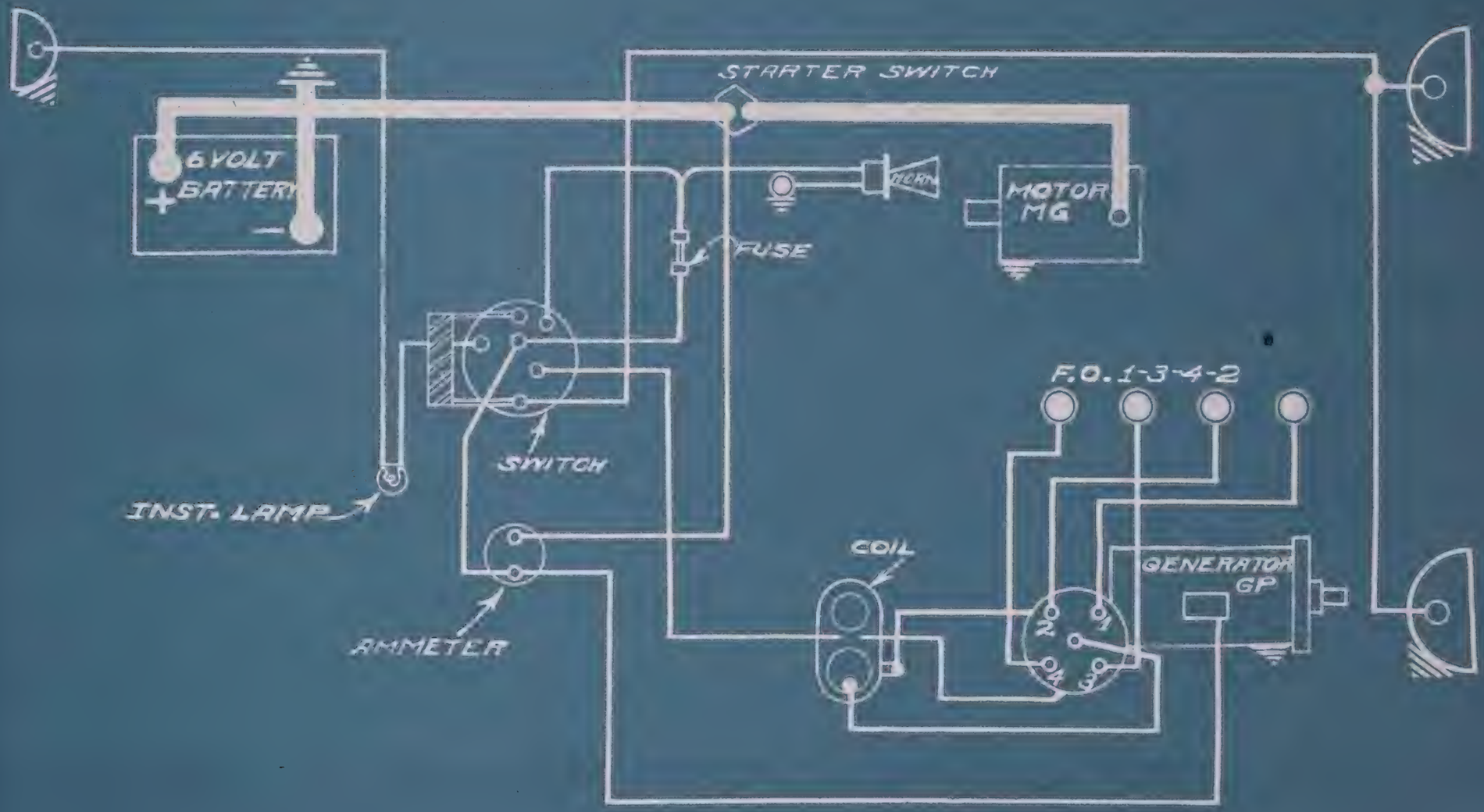
CONN. IGN.



OVERLAND "4" 1921-22

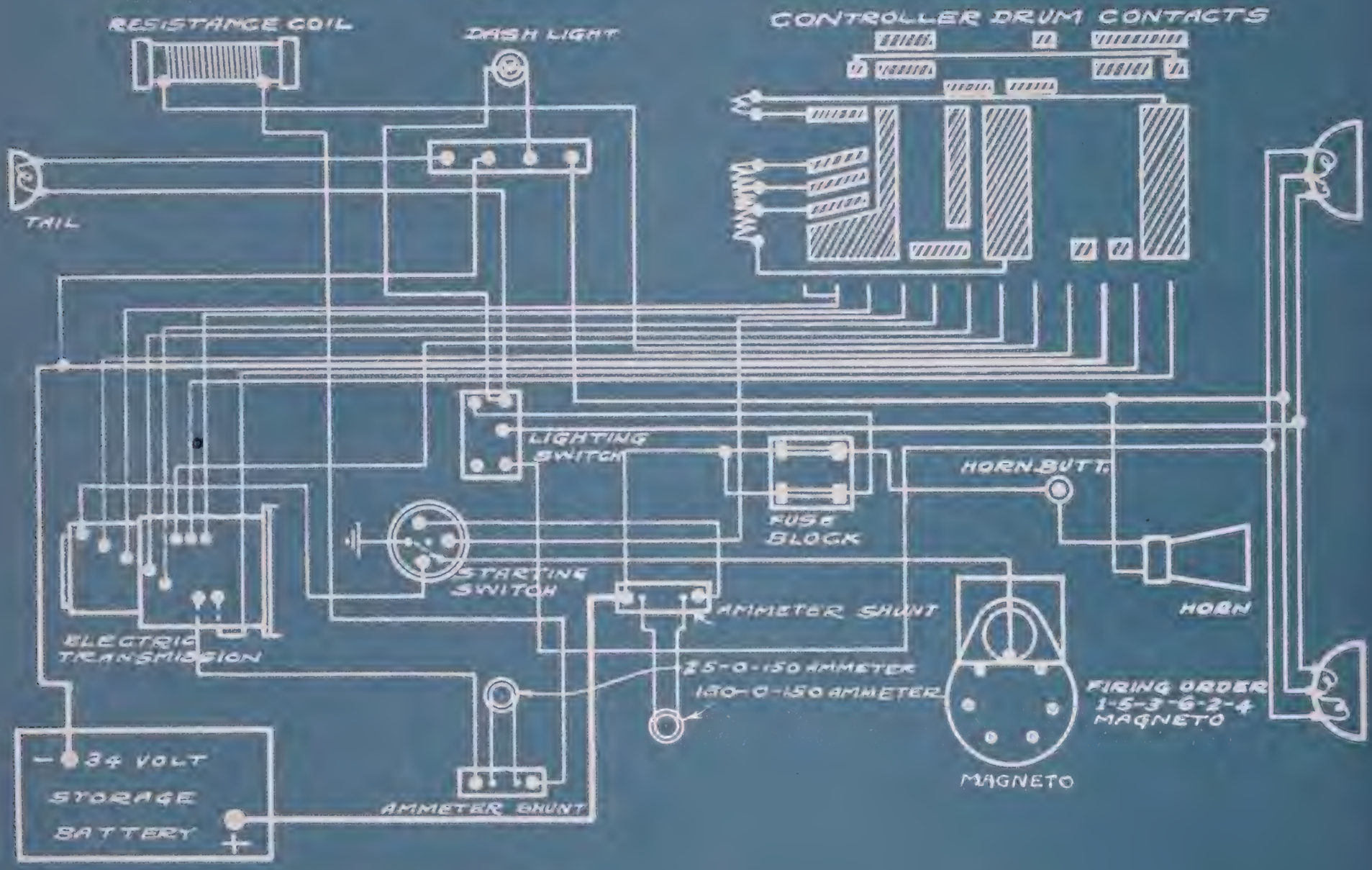
AUTO-LITE SYSTEM

CONN. IGN.



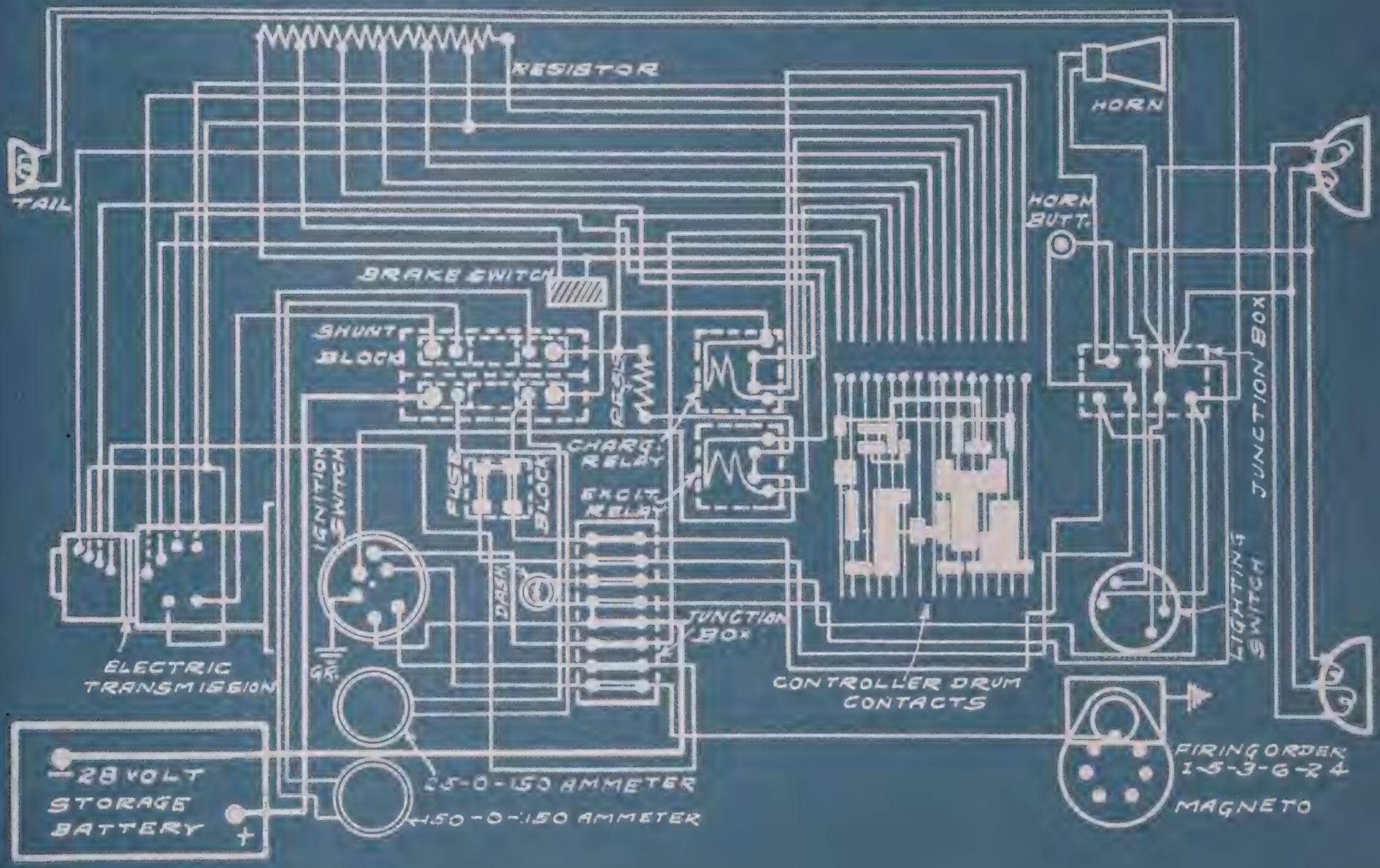
OWEN MAGNETIC-O-36-1917

OWEN SYSTEM

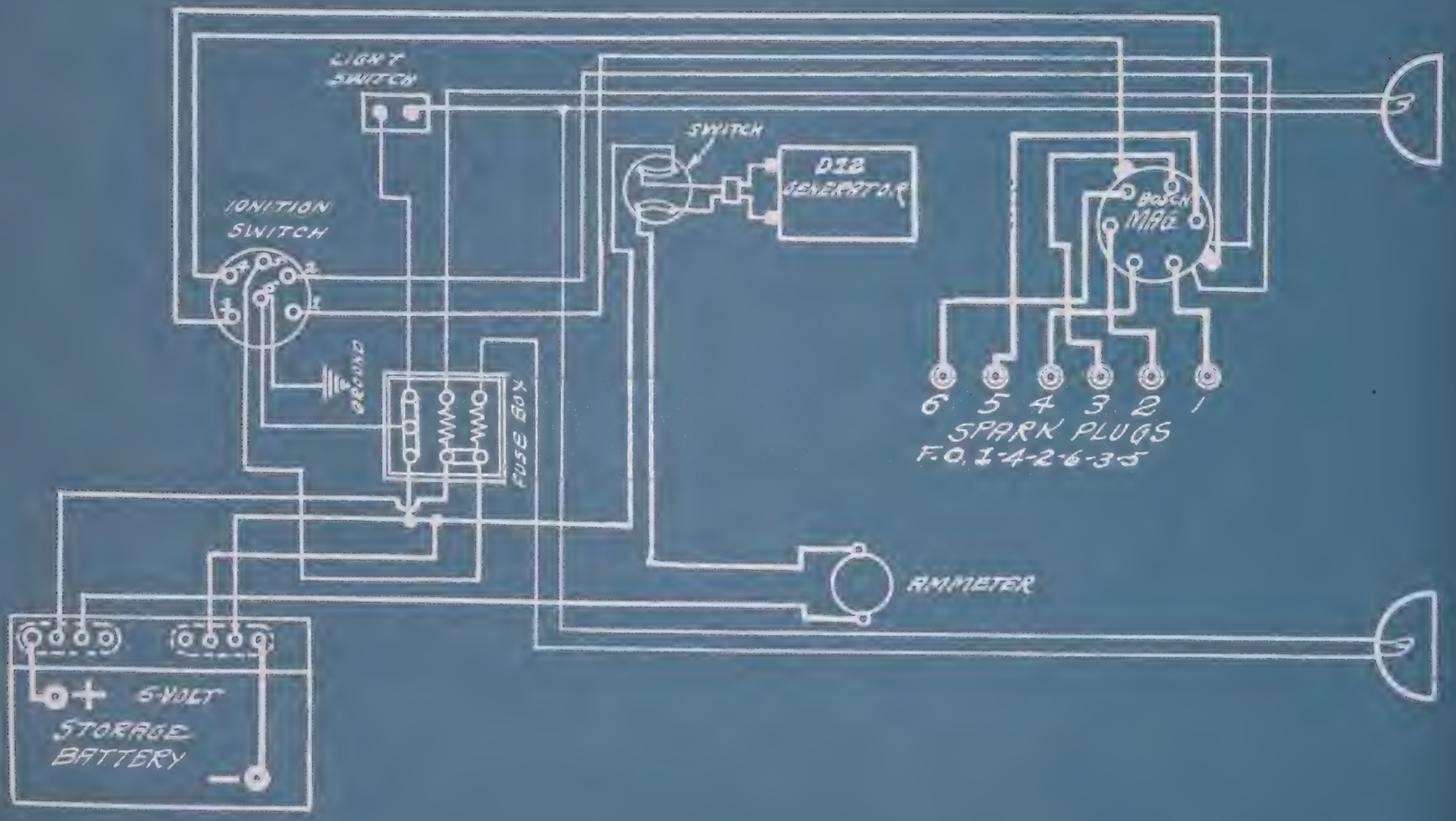


OWEN MAGNETIC 1918-1919 "4-2"

OWEN SYSTEM

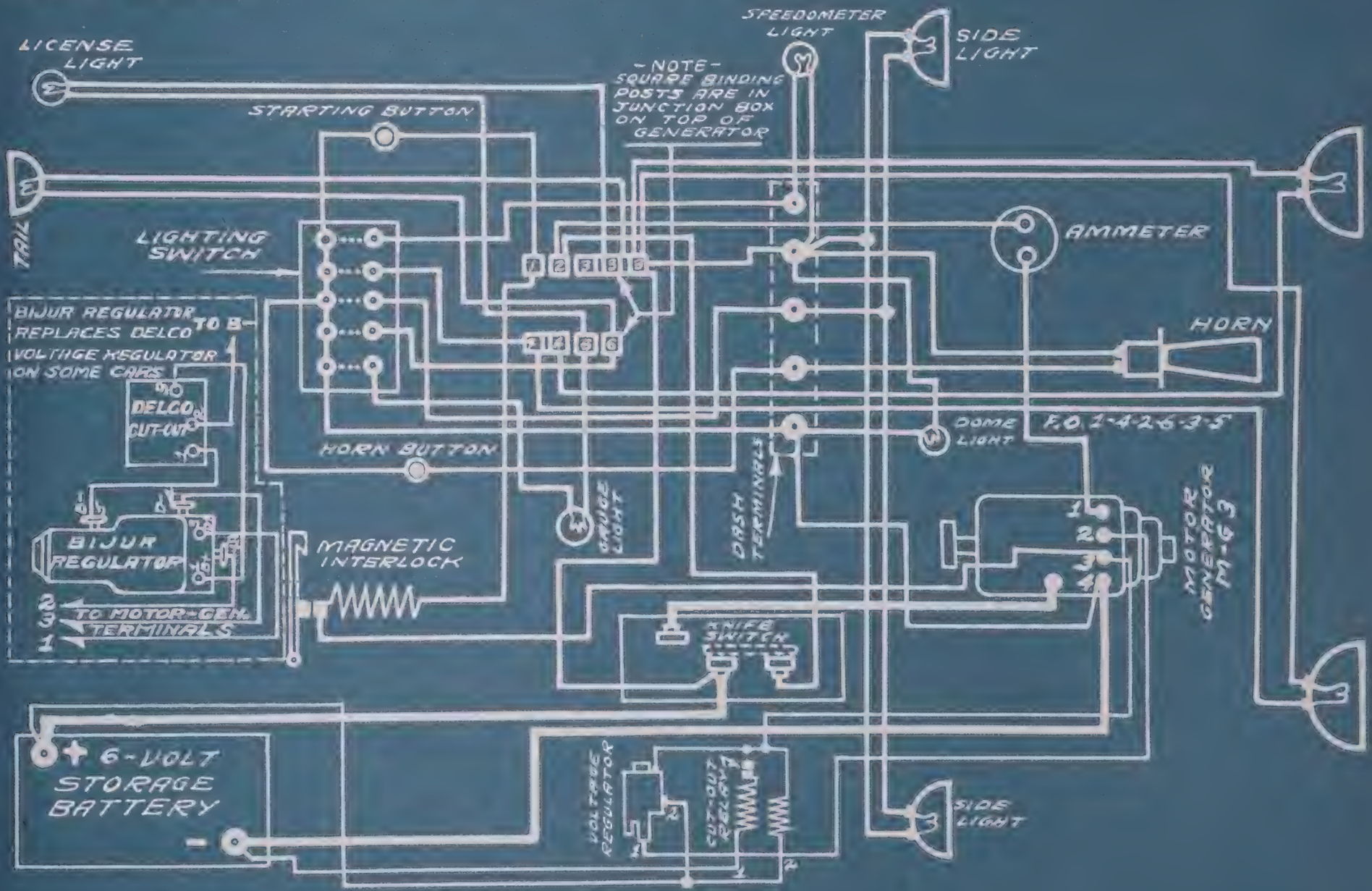


PACKARD 1913 "48"
BIJUR SYSTEM



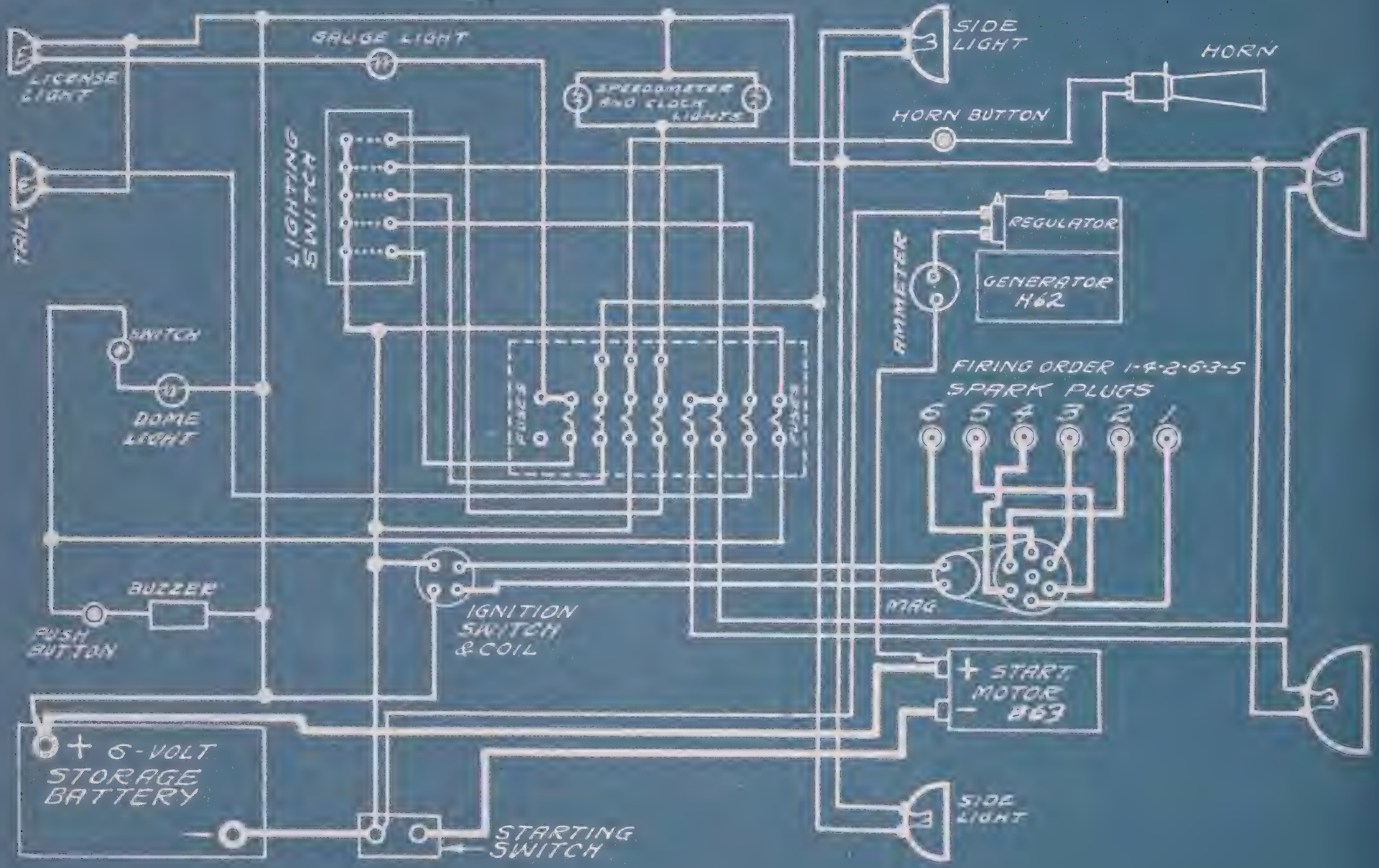
PACKARD 1914 1-38 & 3-48

DELCO SYSTEM



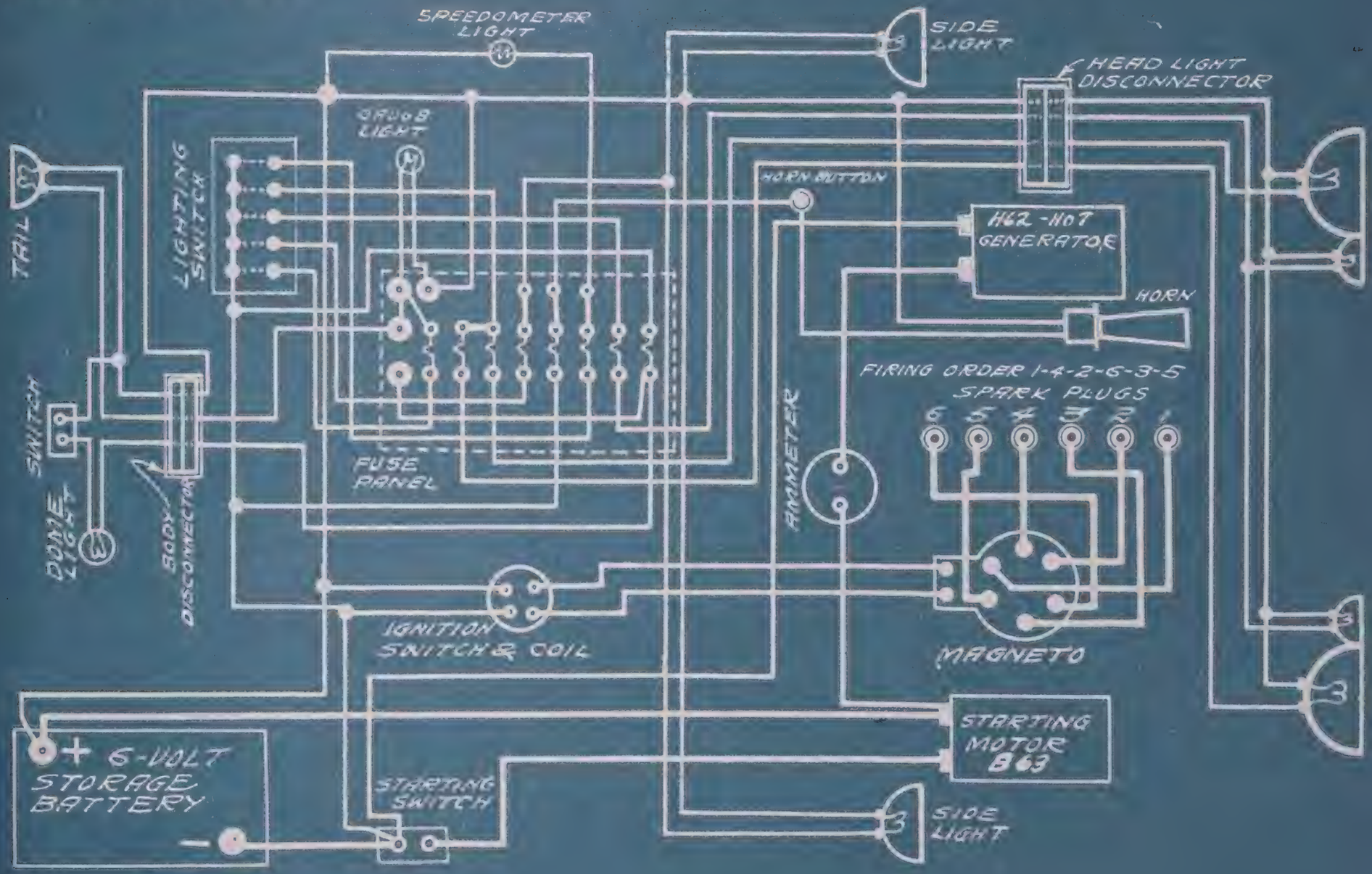
PACKARD 1914 2-38 & 4-48

BIJUR SYSTEM



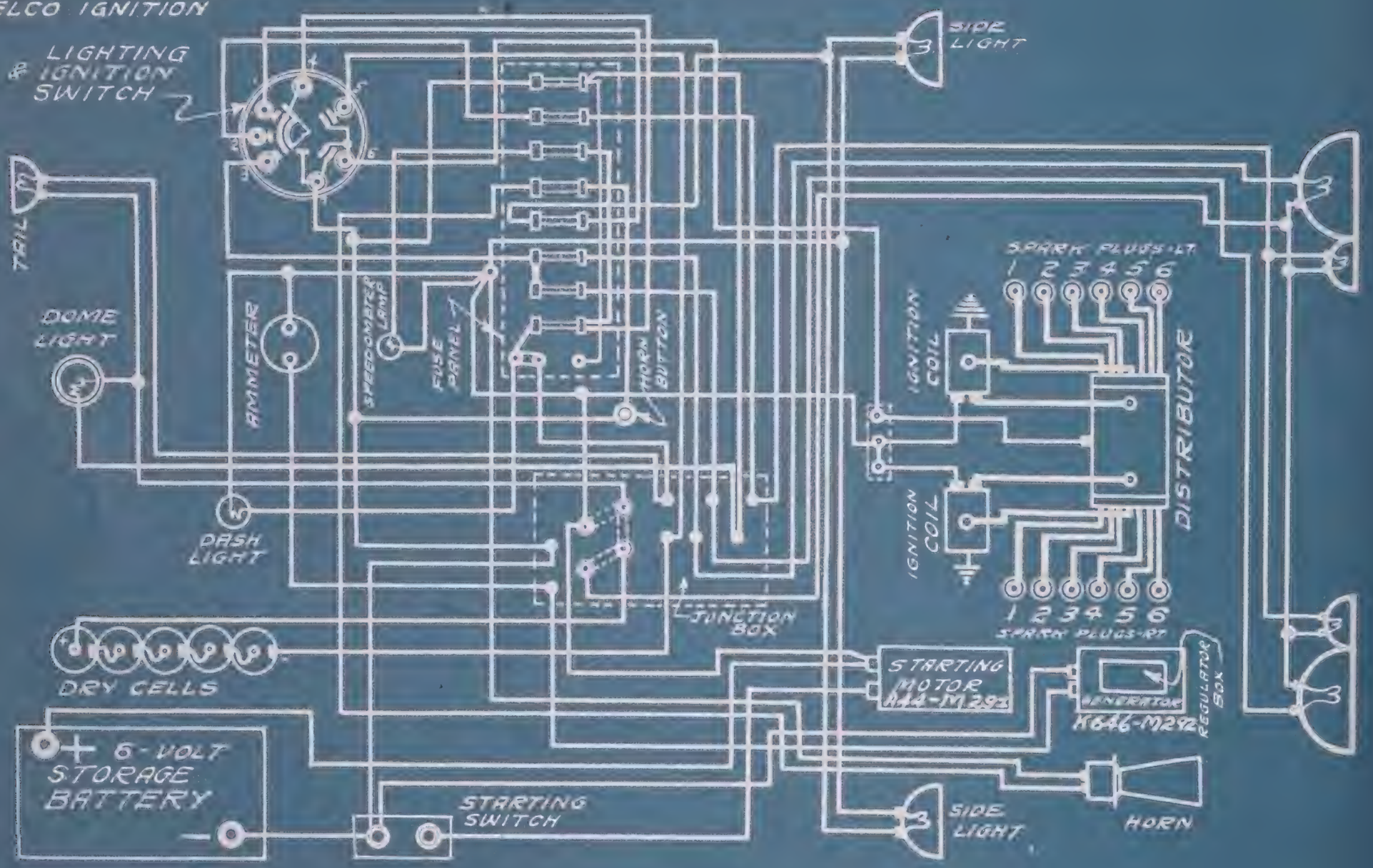
PACKARD 1915 3-38 & 5-48

BIJUR SYSTEM



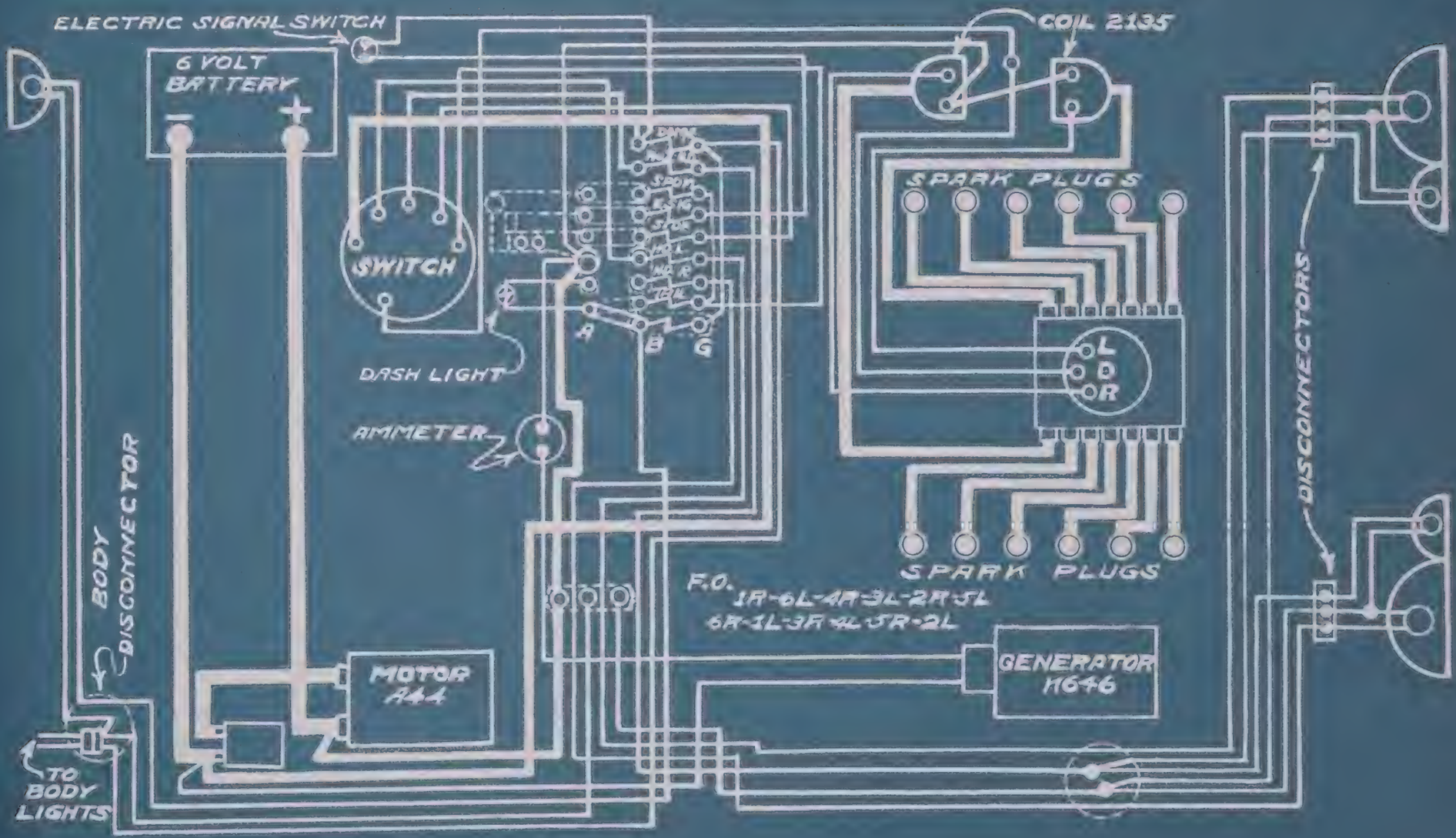
PACKARD 1916 125 & 135

BIJUR SYSTEM
DELCO IGNITION



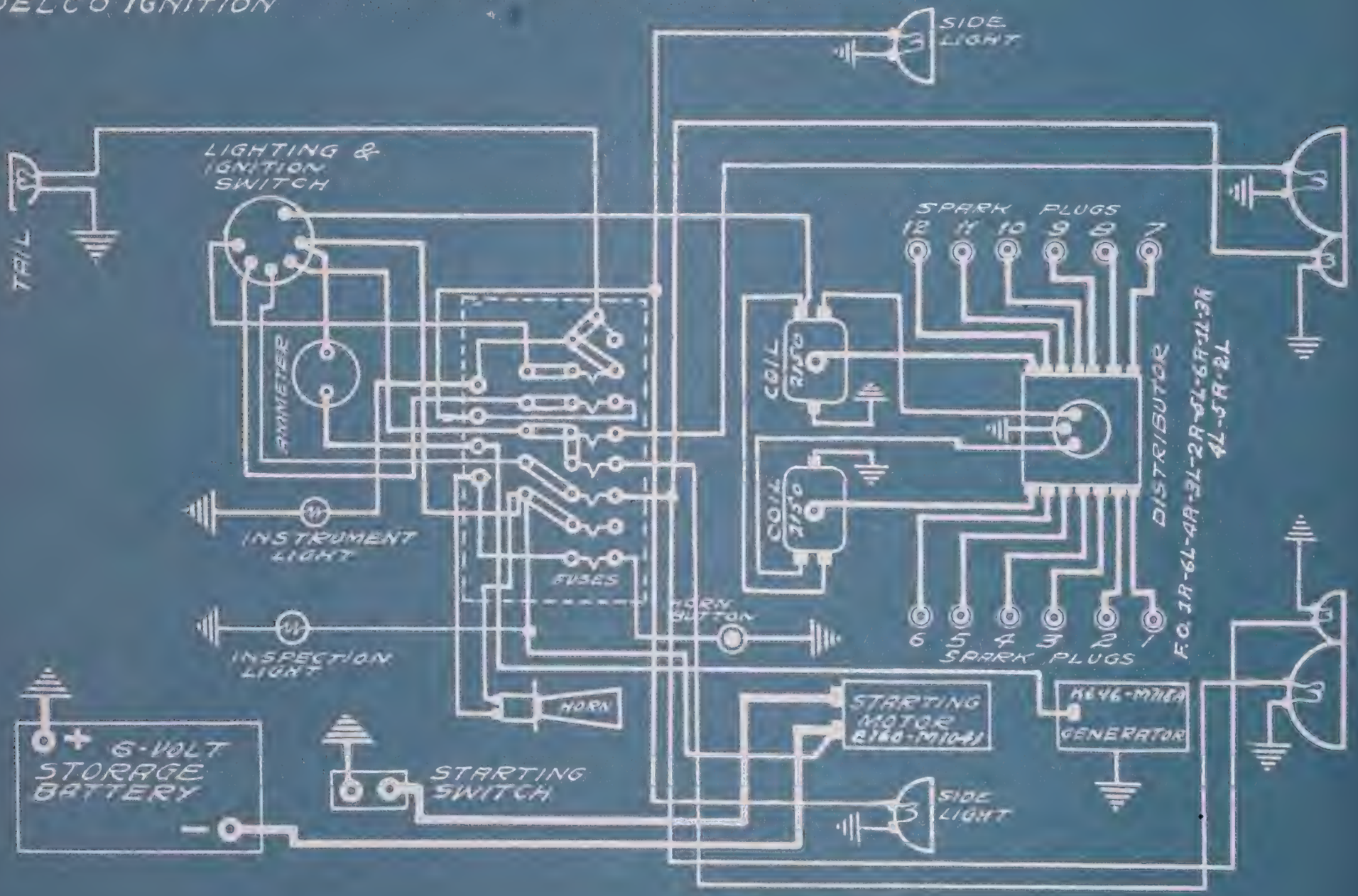
PACKARD 2-25 & 2-35 1916-17

BIJUR SYSTEM



PACKARD 1918-19-20 3-25, 3-35

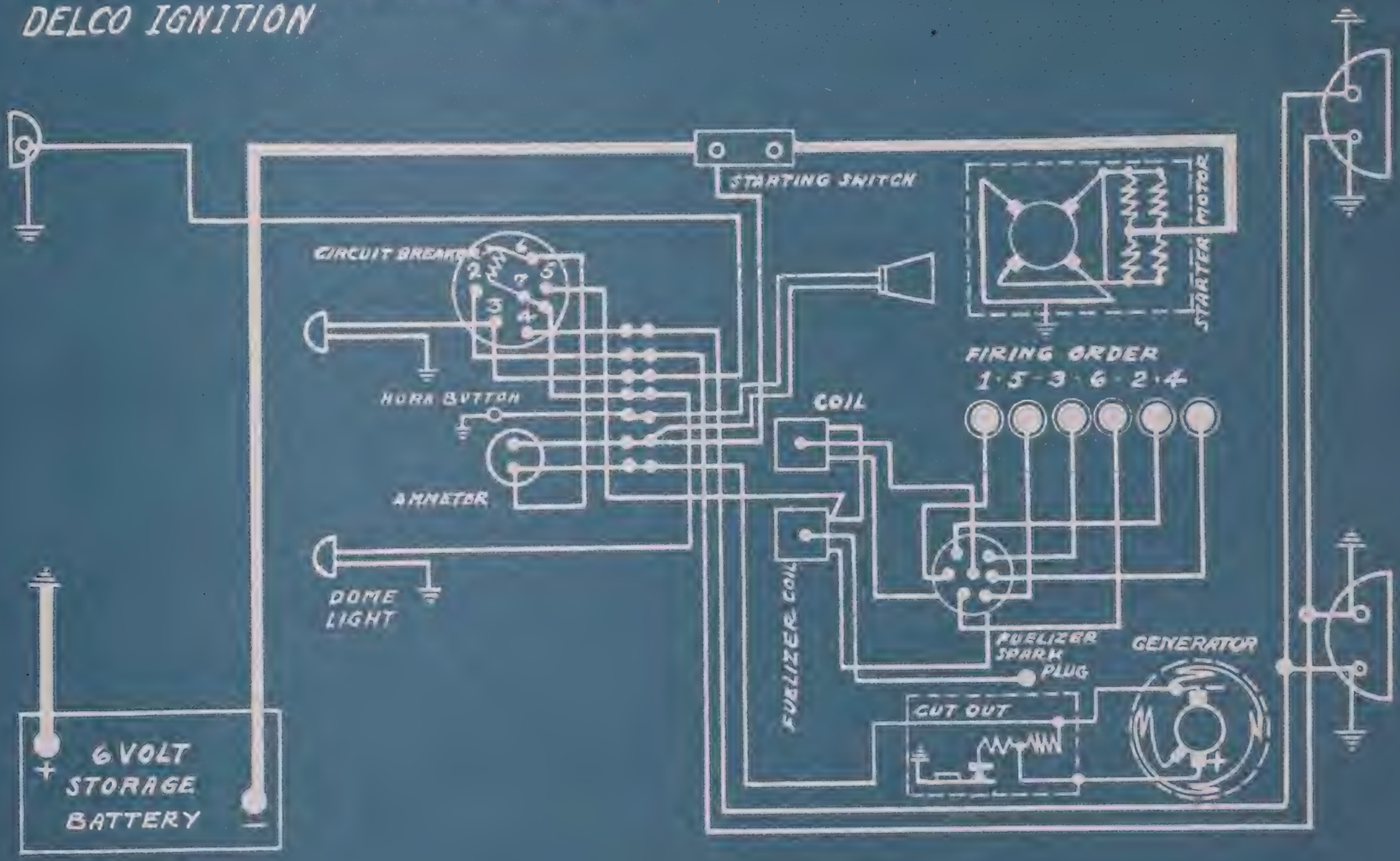
BIJUR SYSTEM
DELCO IGNITION



PACKARD SINGLE SIX 1921

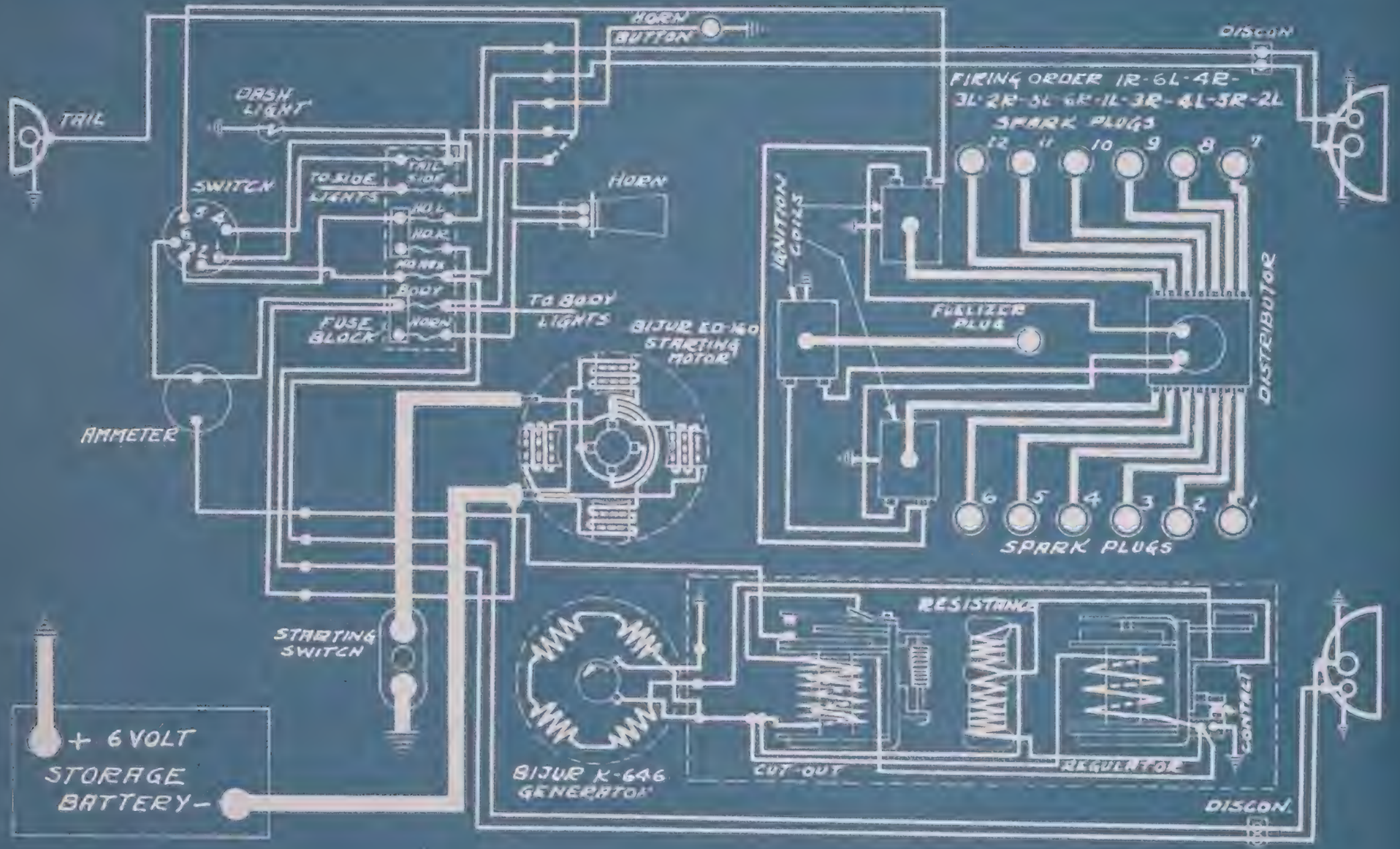
ATWATER KENT STARTING & LIGHTING

DELCO IGNITION



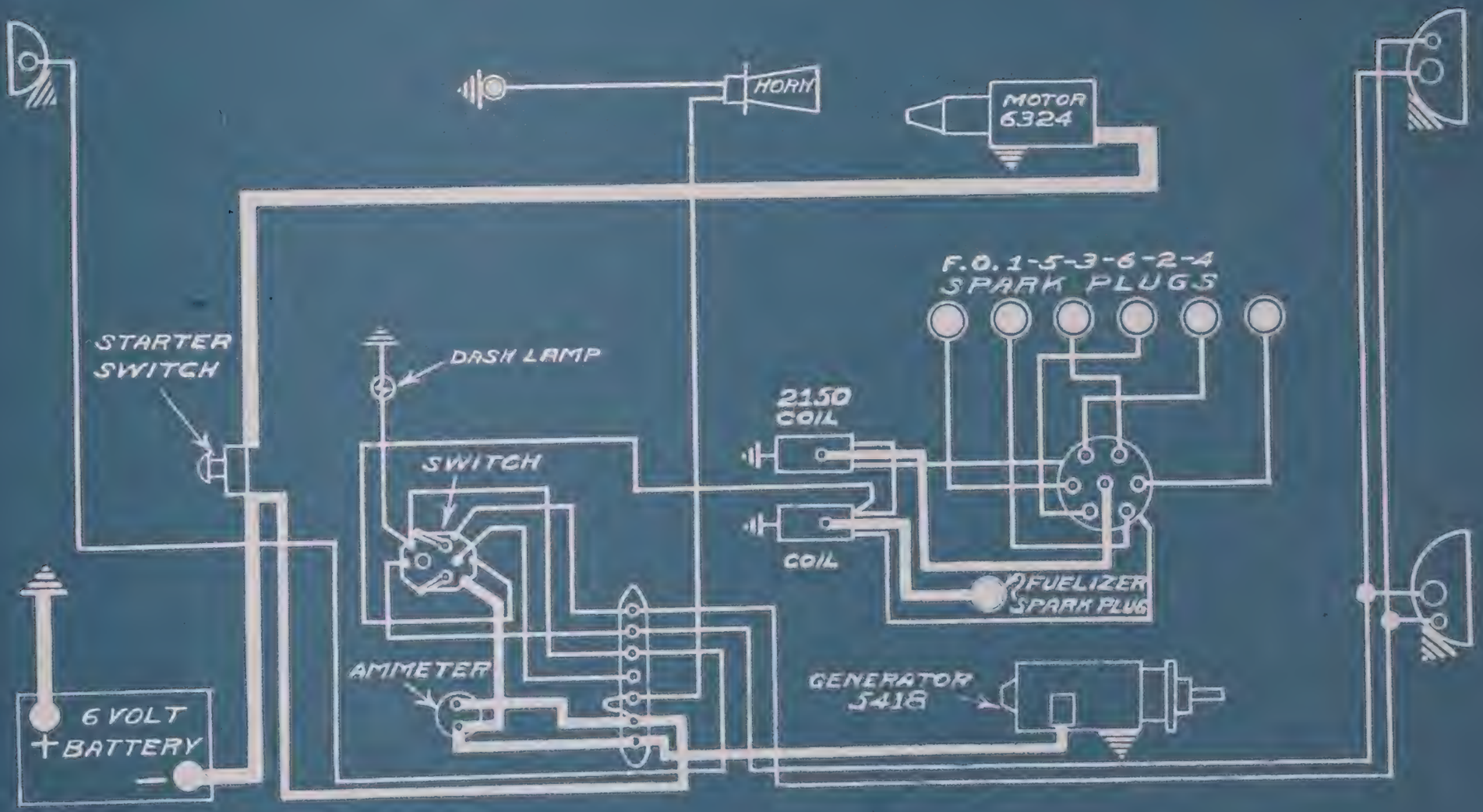
PACKARD "TWIN SIX" 1921

BIJUR SYSTEM DELCO IGNITION



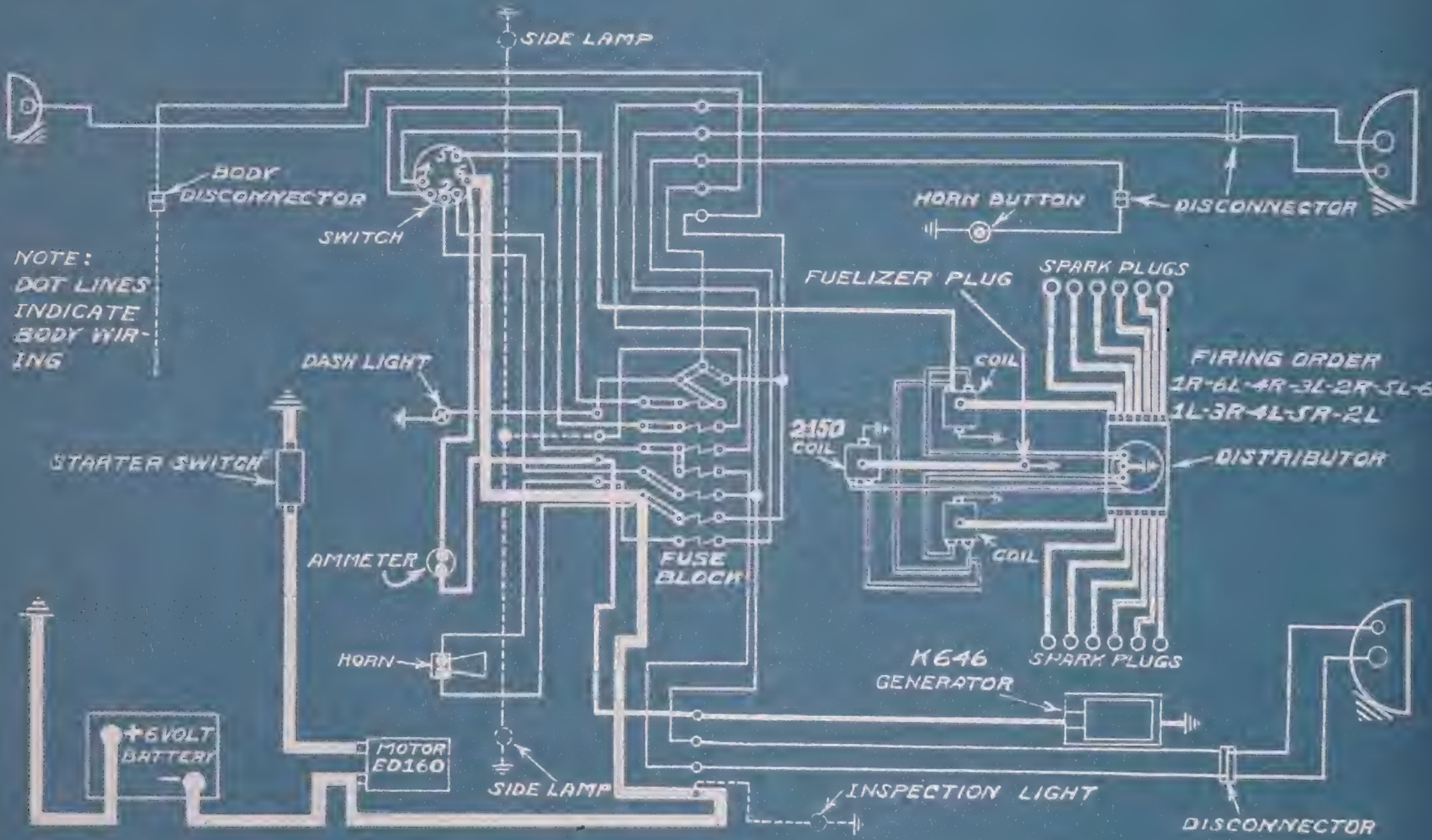
PACKARD "SINGLE SIX" 1922

ATWATER KENT SYSTEM
DELCO IGNITION



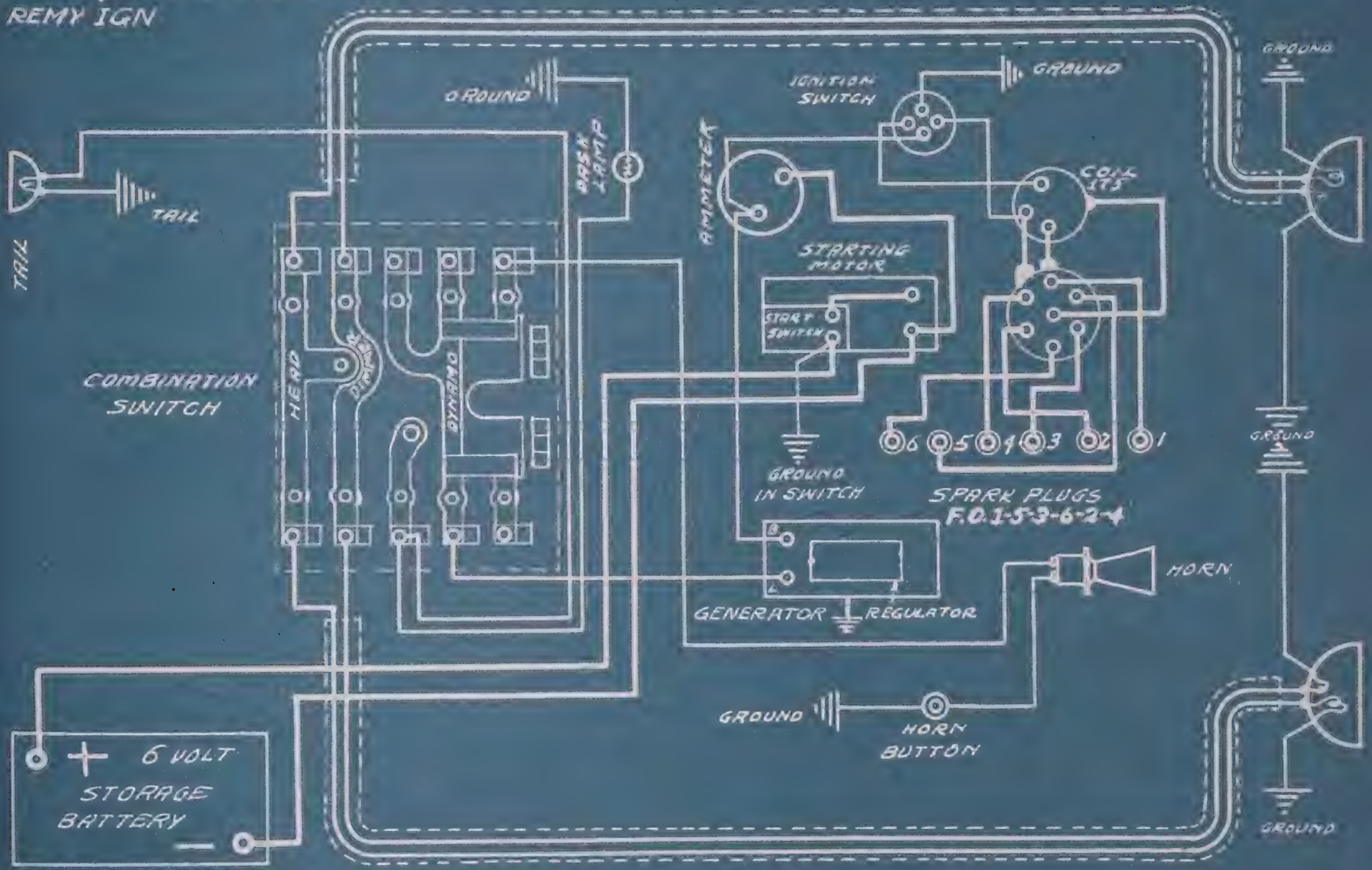
PACKARD "TWIN SIX" 1922

BIJUR SYSTEM
DELCO IGN.



PAIGE 1916 G-6 & H-6

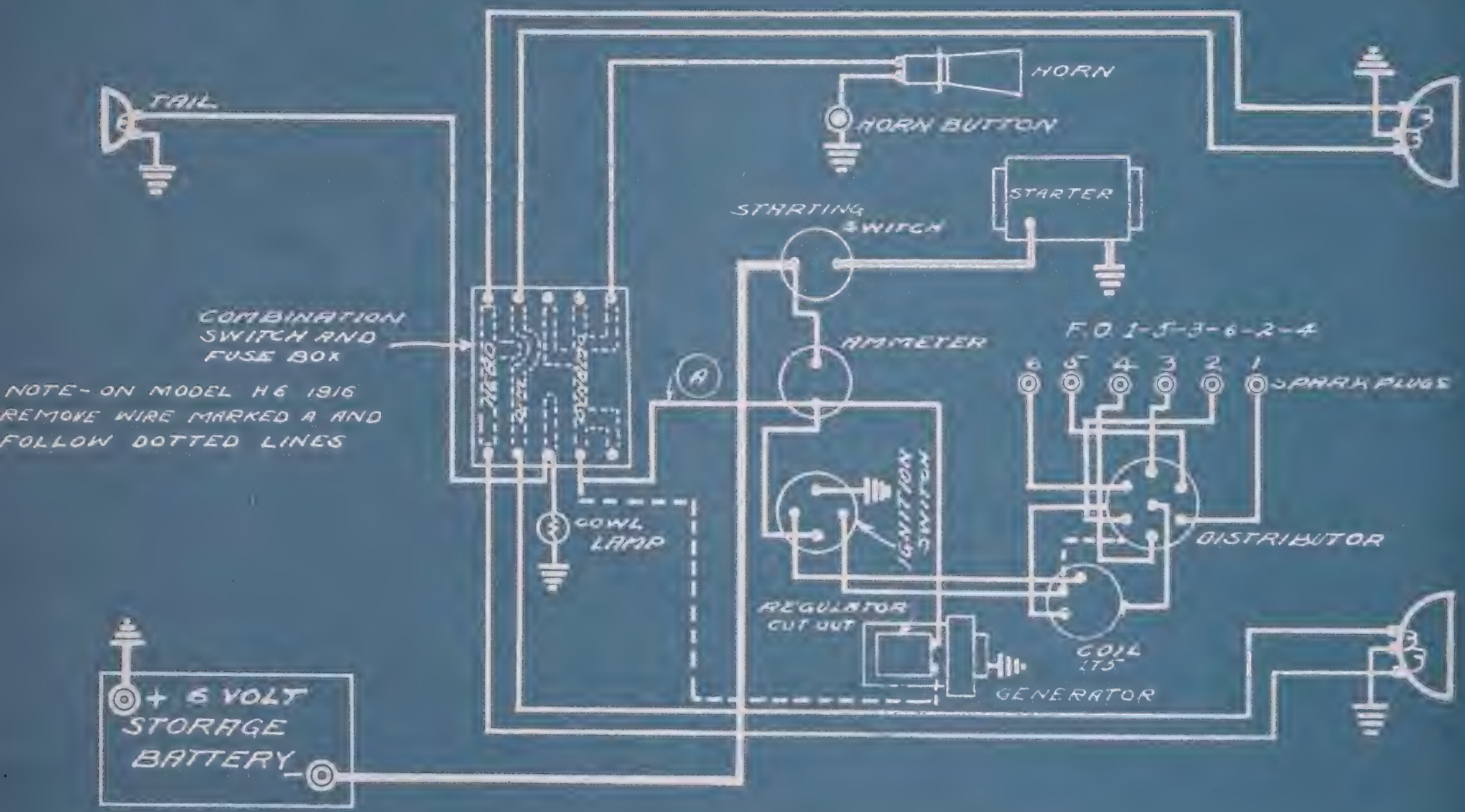
GRAY & DAVIS SYSTEM
REMY IGN



PAIGE 1916-1917 6-46 6-38 H-6

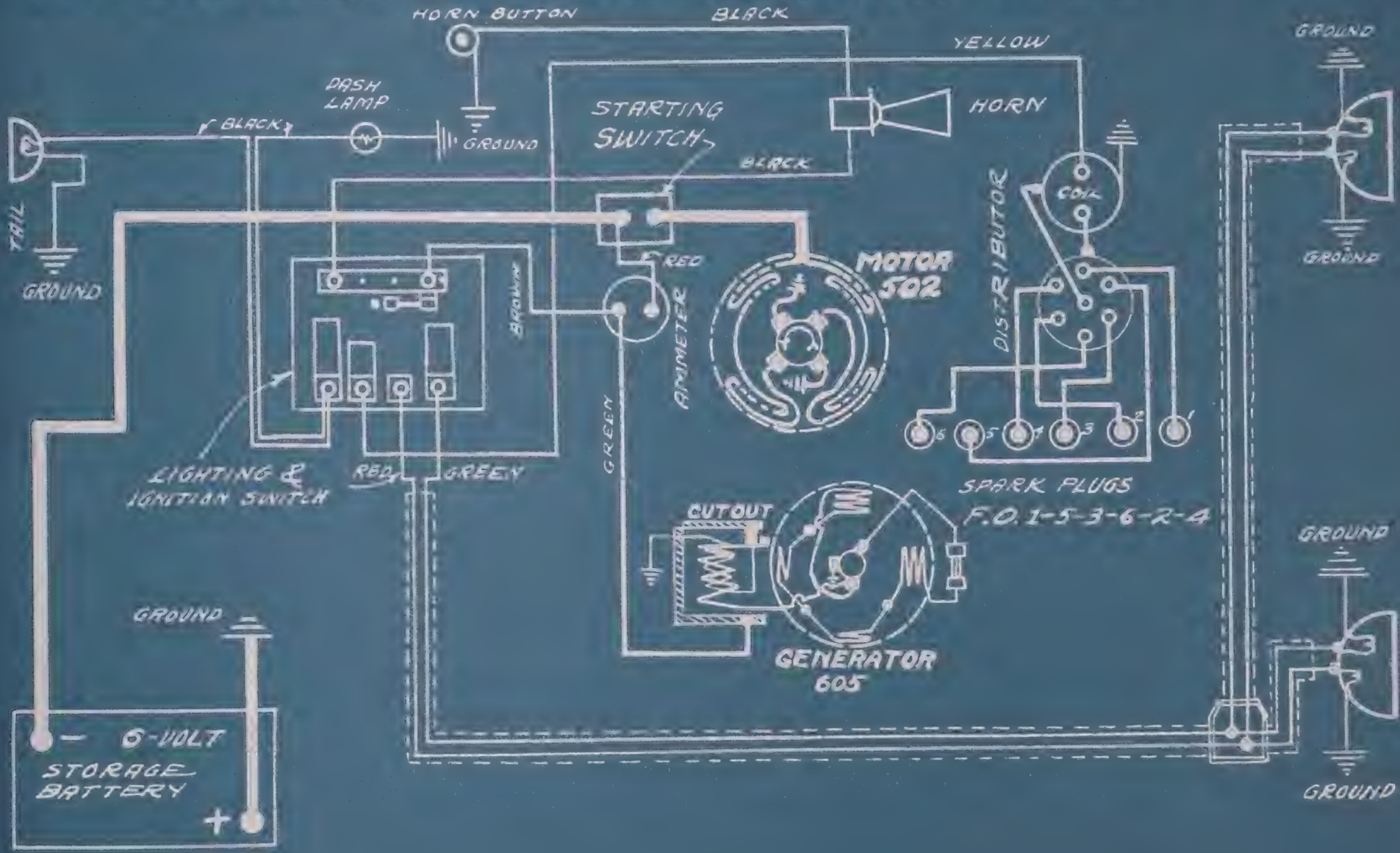
GRAY & DAVIS SYSTEM

REMY IGN



PAIGE 1918-1919-1920 ALL MODELS

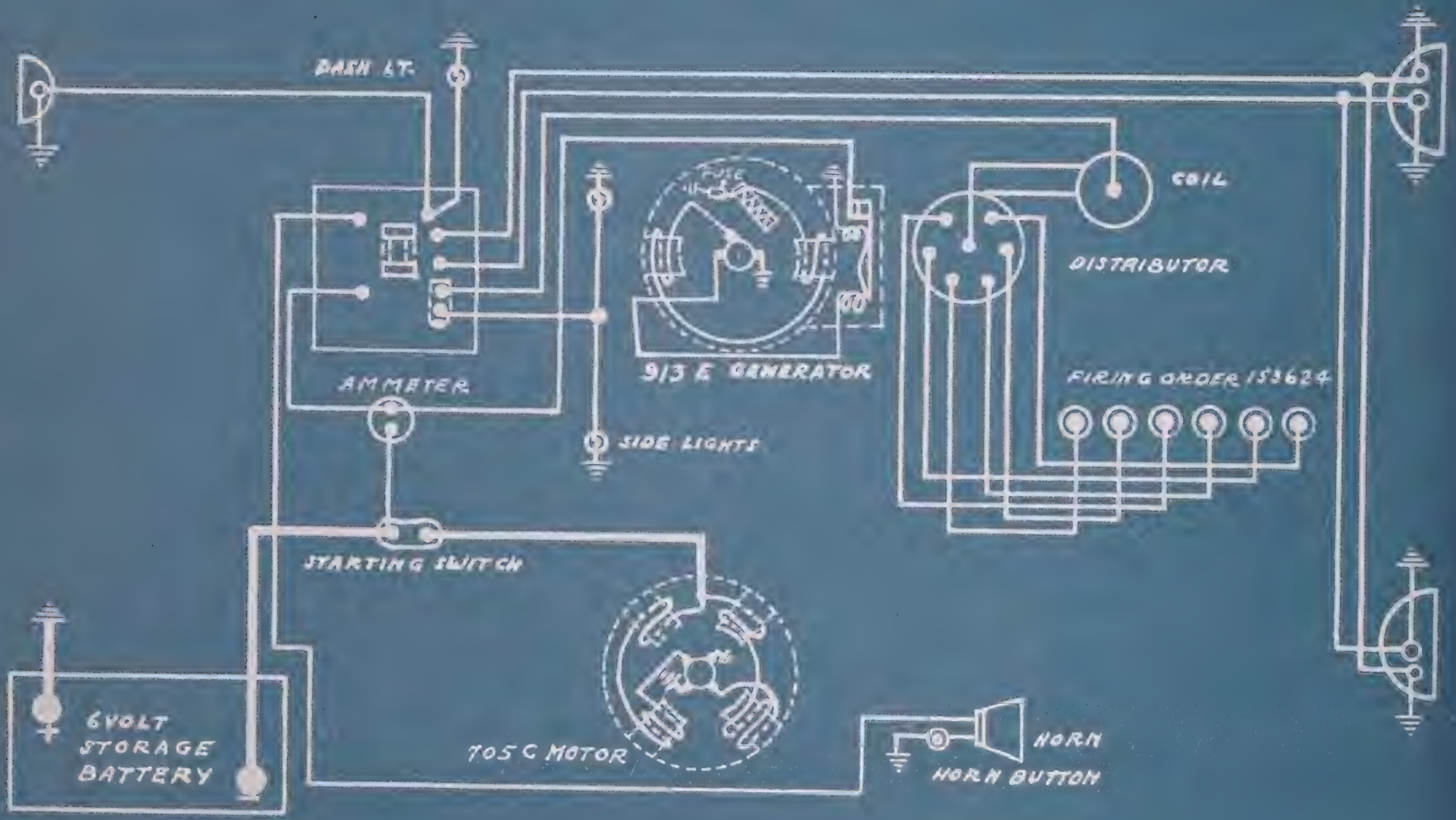
GRAY & DAVIS STARTING & LIGHTING SYSTEM WITH REMY IGNITION SYSTEM ON MODEL 6-39 CARS
REMY SYSTEM ON MODEL 6-55. 1919 & 1920 G & D SYS. A.K. IGN.



PAIGE "6-42" & "6-66" 1921

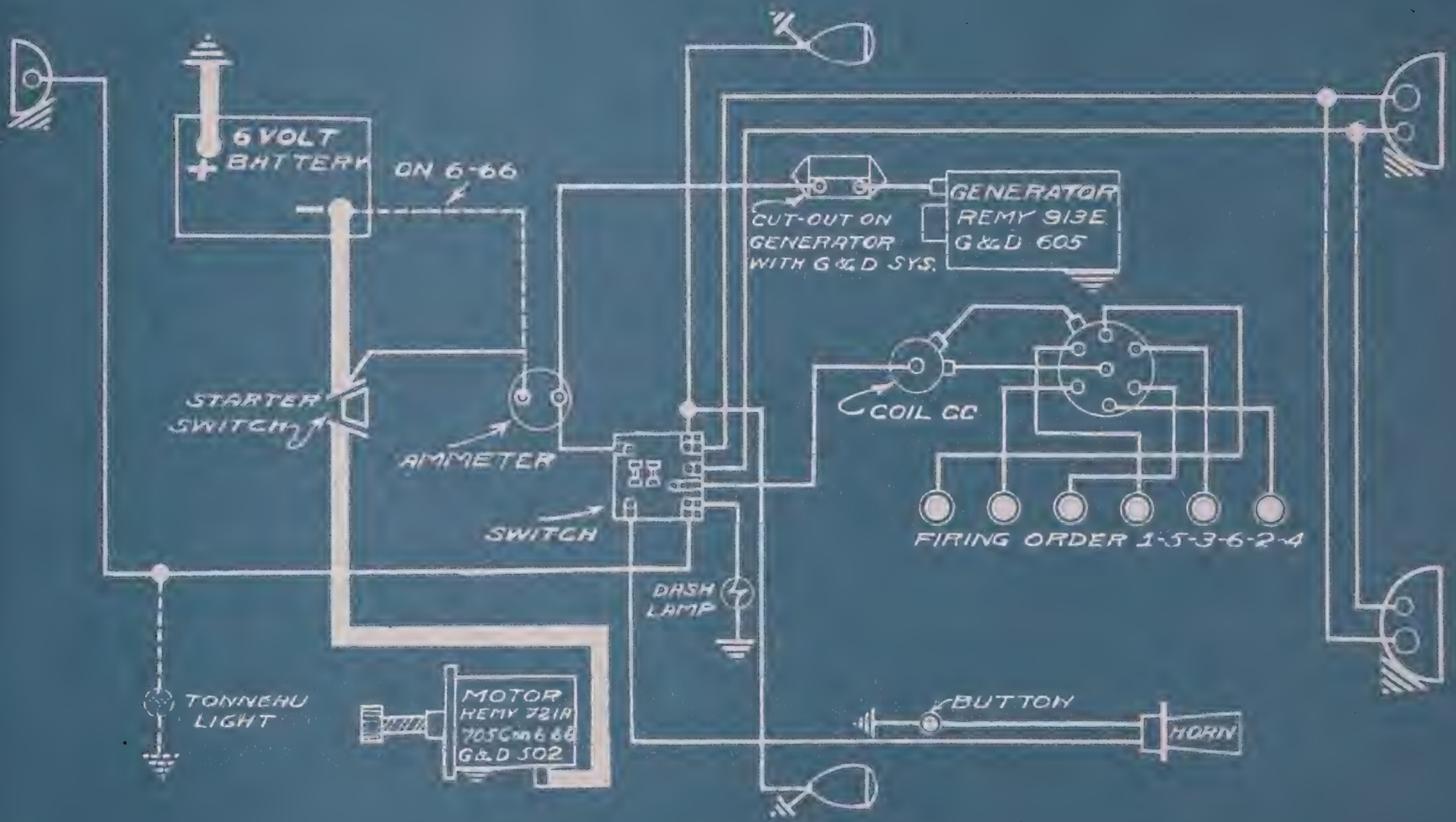
REMY SYSTEM

ATWATER KENT IGN.

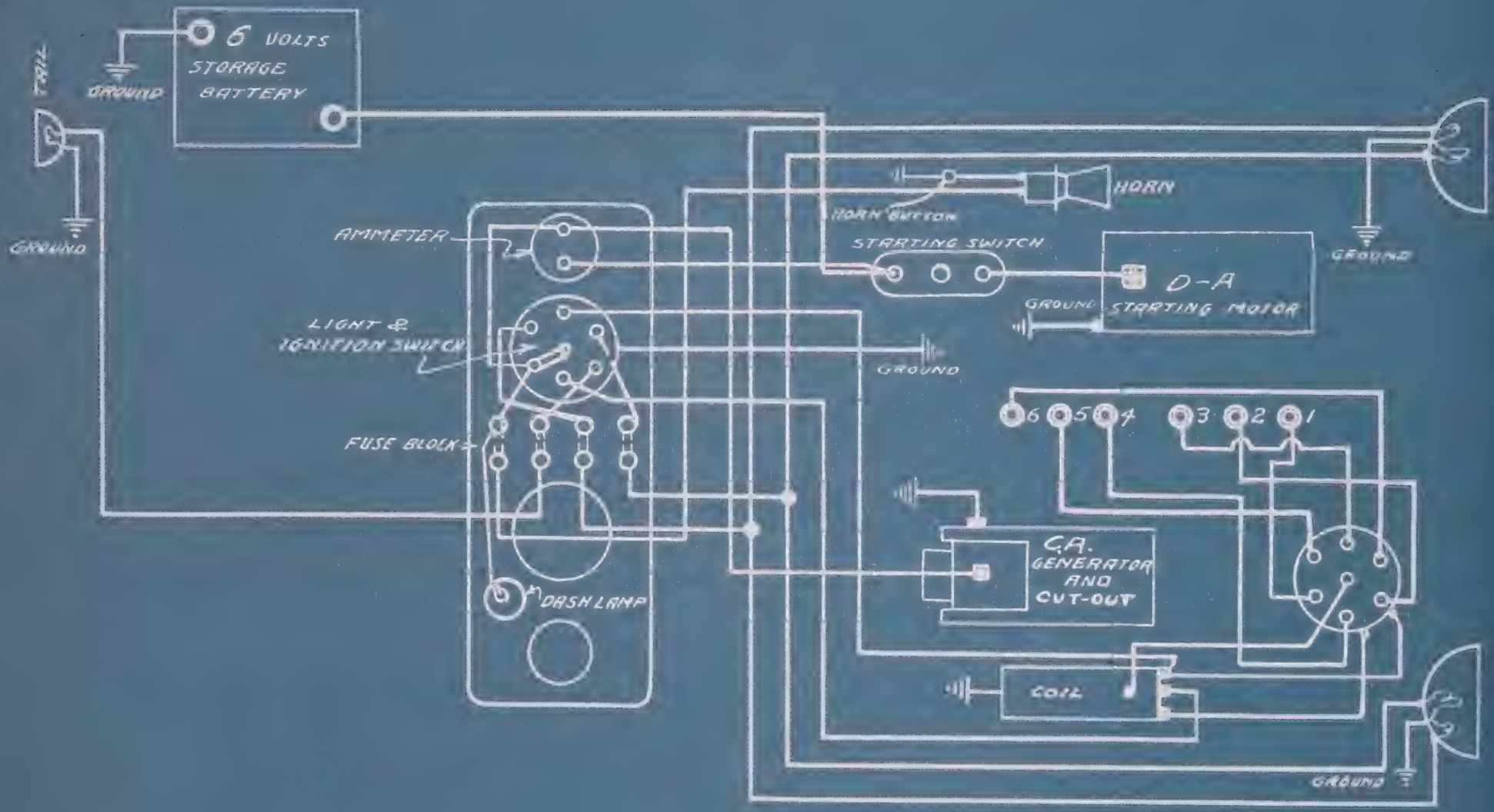


PAIGE "6-42" "6-44" "6-66" 1921-22

REMY OR GRAY & DAVIS SYSTEM
ATWATER-KENT IGN.



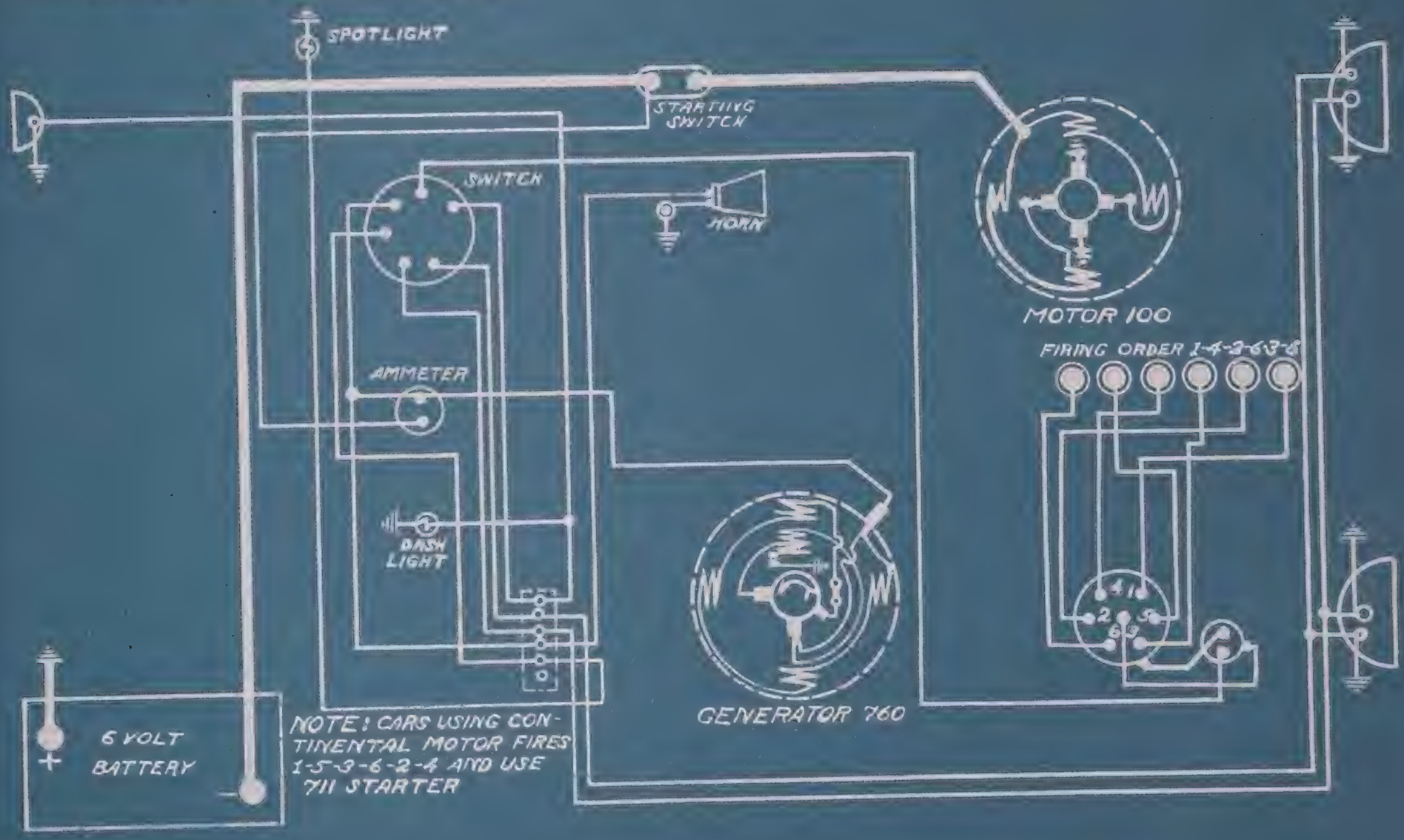
PAN-AMERICAN 1918 MODEL G4-G5
DYNETO SYSTEM
CONN. IGN.



PAN-AMERICAN "6" 1919-20-21

WESTINGHOUSE SYSTEM

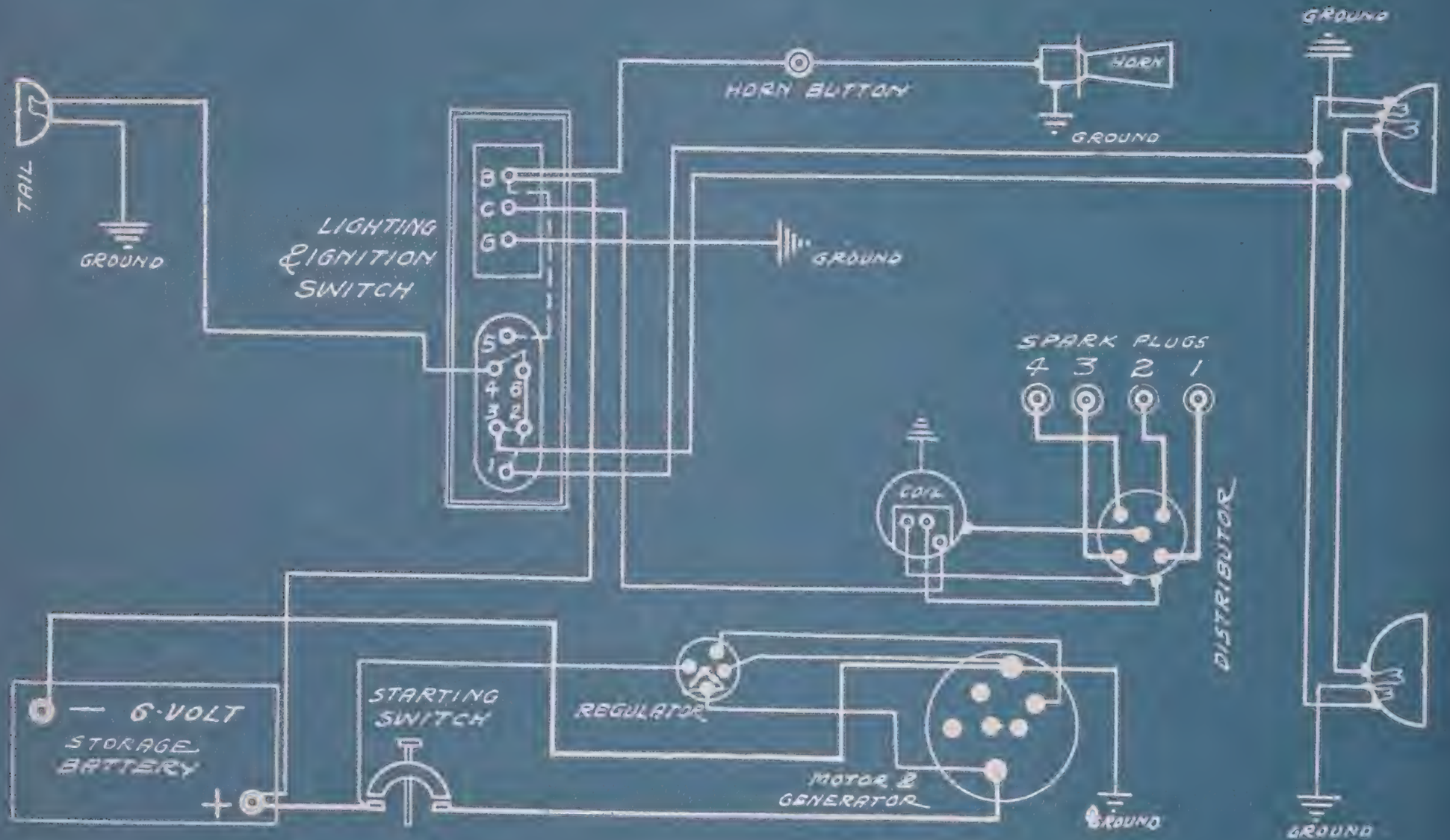
ATWATER KENT IGN. USED ON SOME CARS



PARTIN-PALMER 1915 "38"

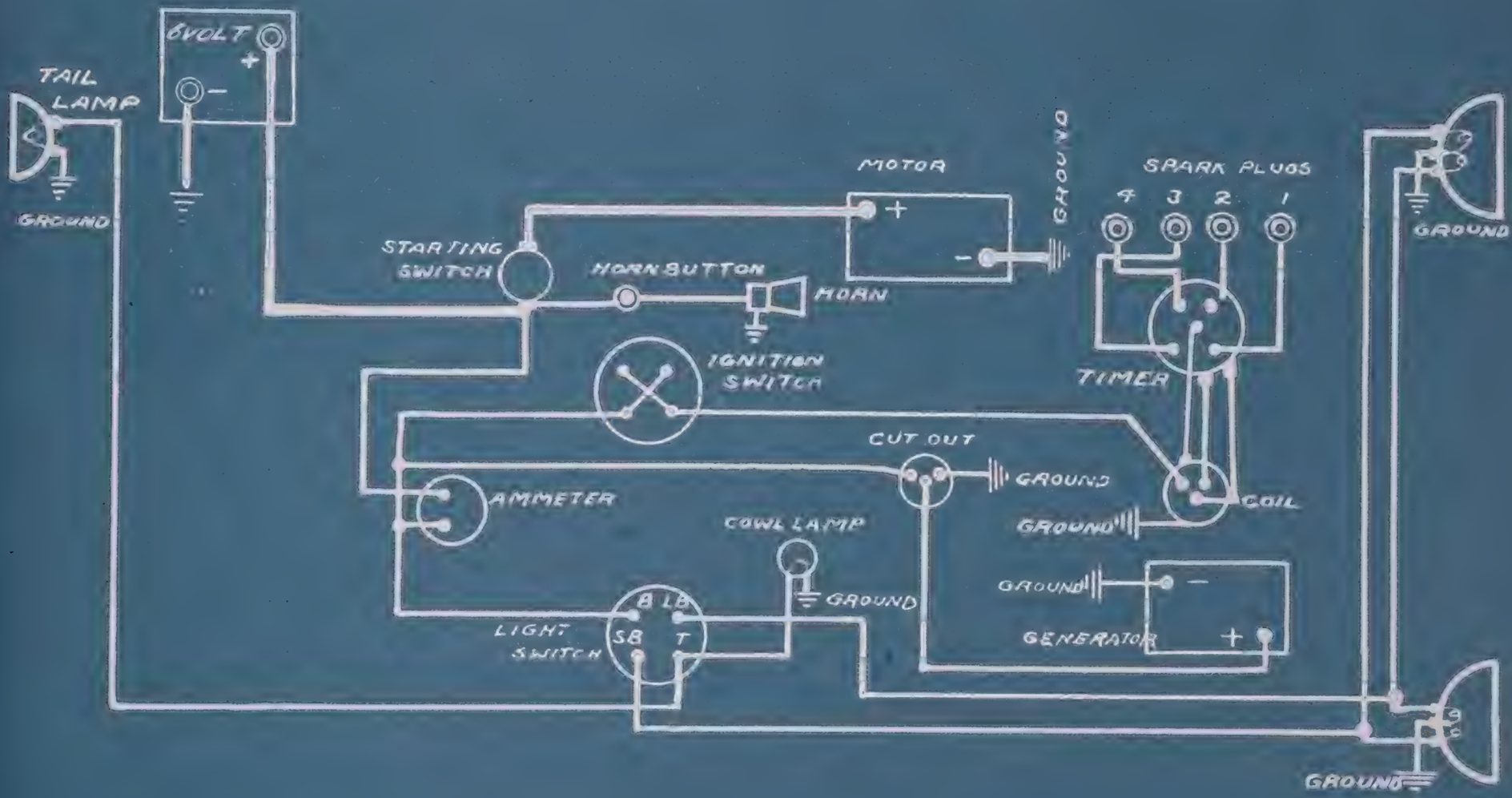
CONNECTICUT IGN.

ALLIS-CHALMERS SYS.



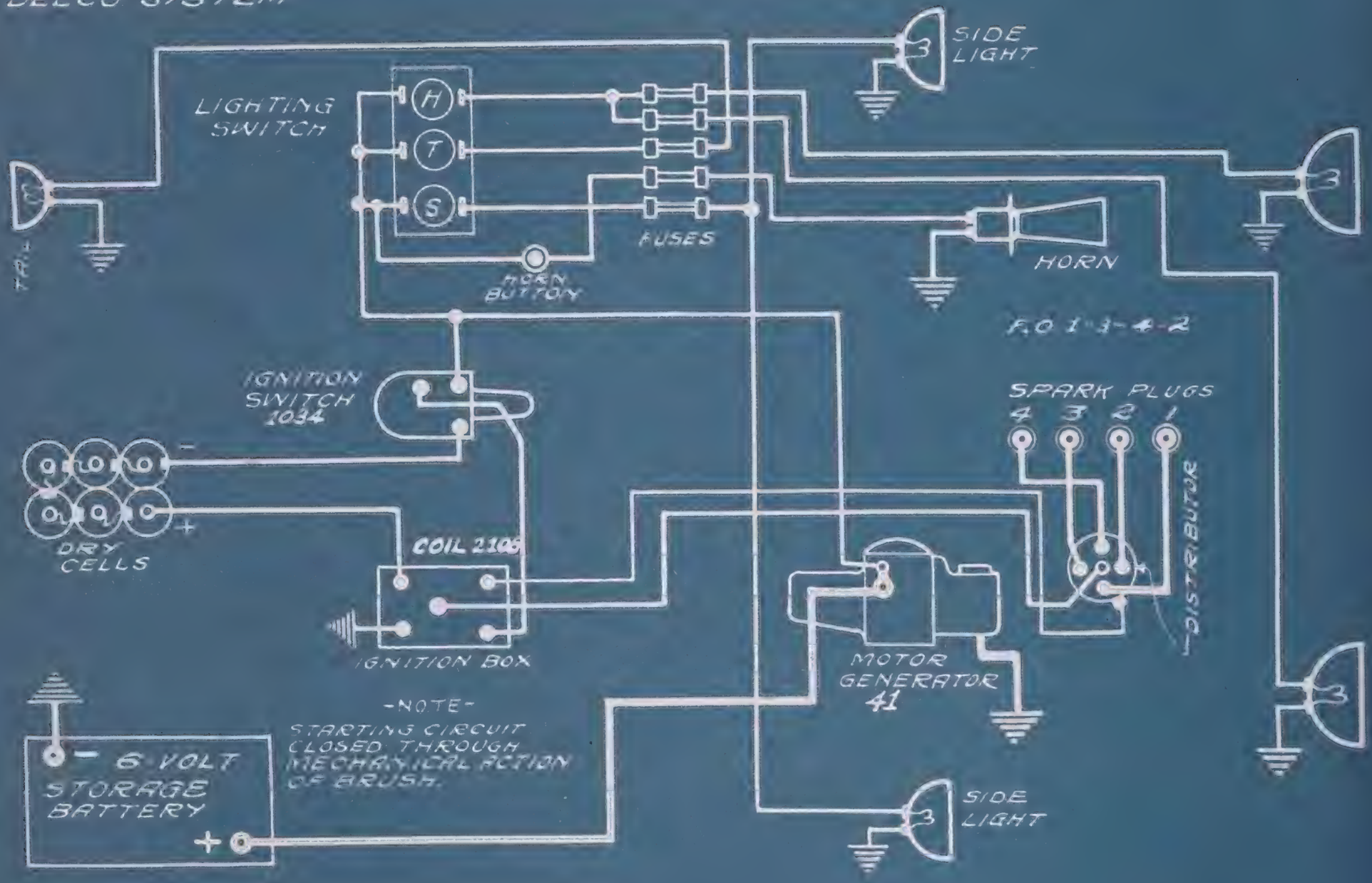
PARTIN-PALMER 1917 "32" AND 1918 "ULTRA 4-FORTY"

DISCO SYSTEM



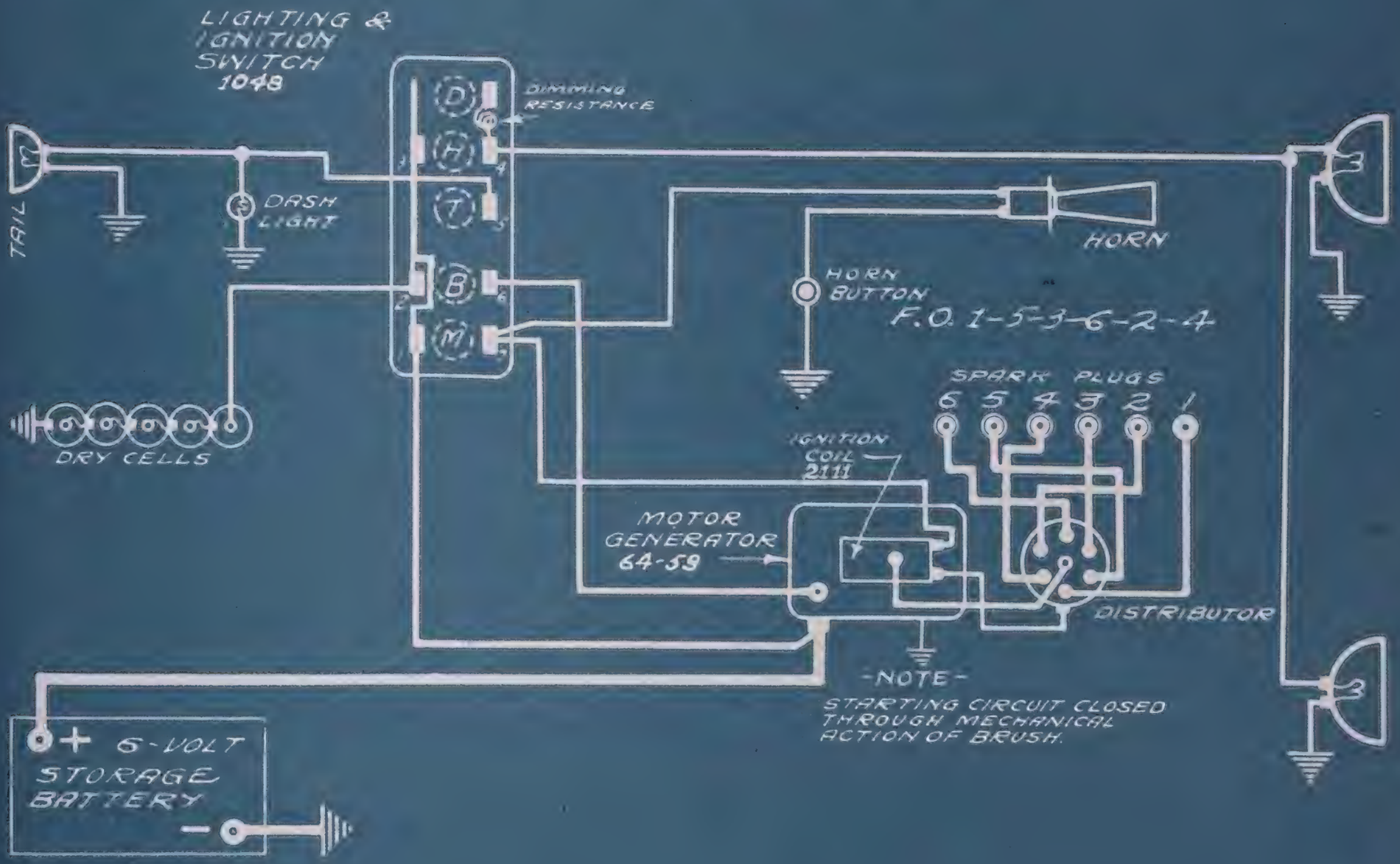
PATERSON 1914 32 & 33

DELCO SYSTEM



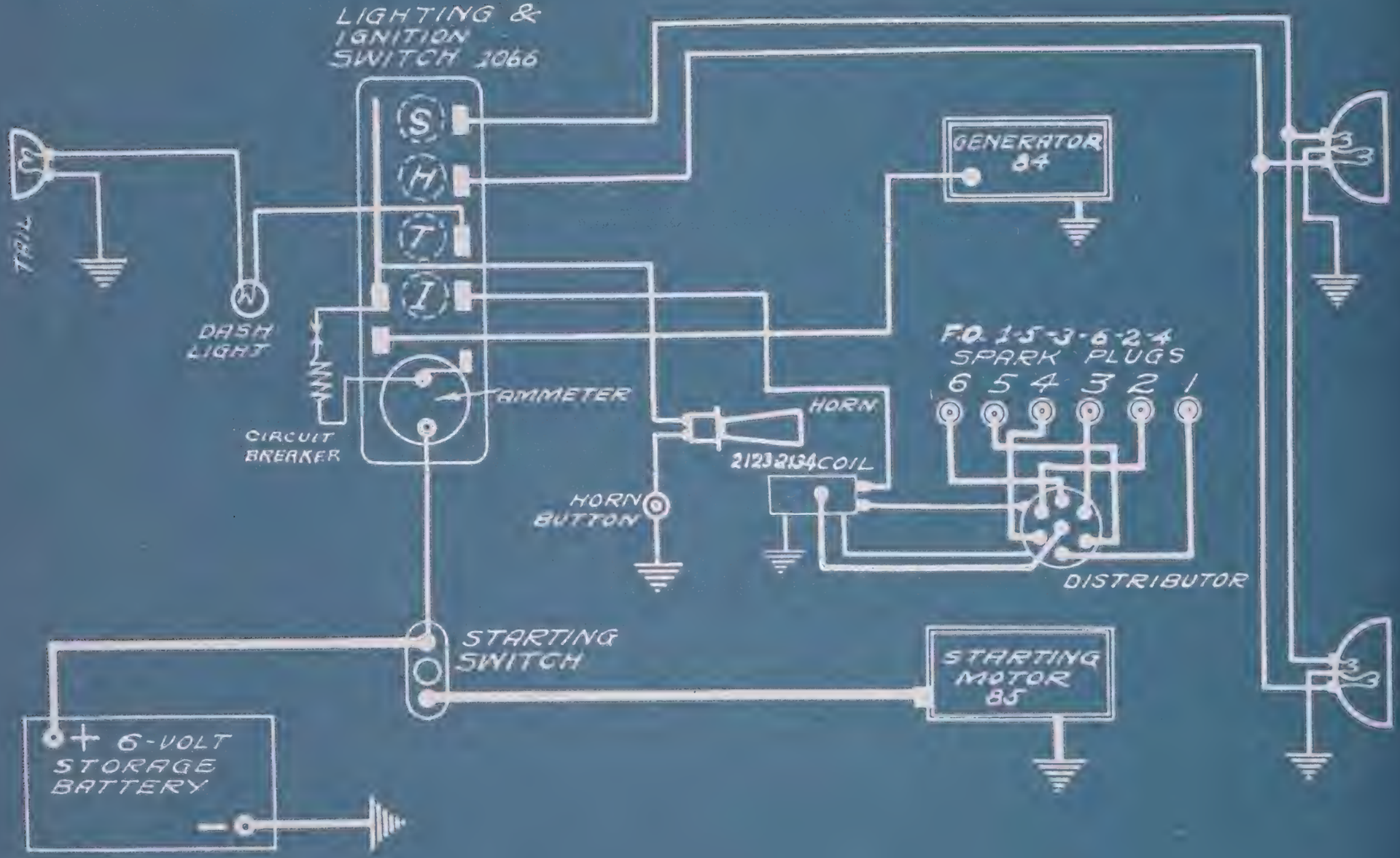
PATERSON 1915 4-32 & 6-48

DELCO SYSTEM



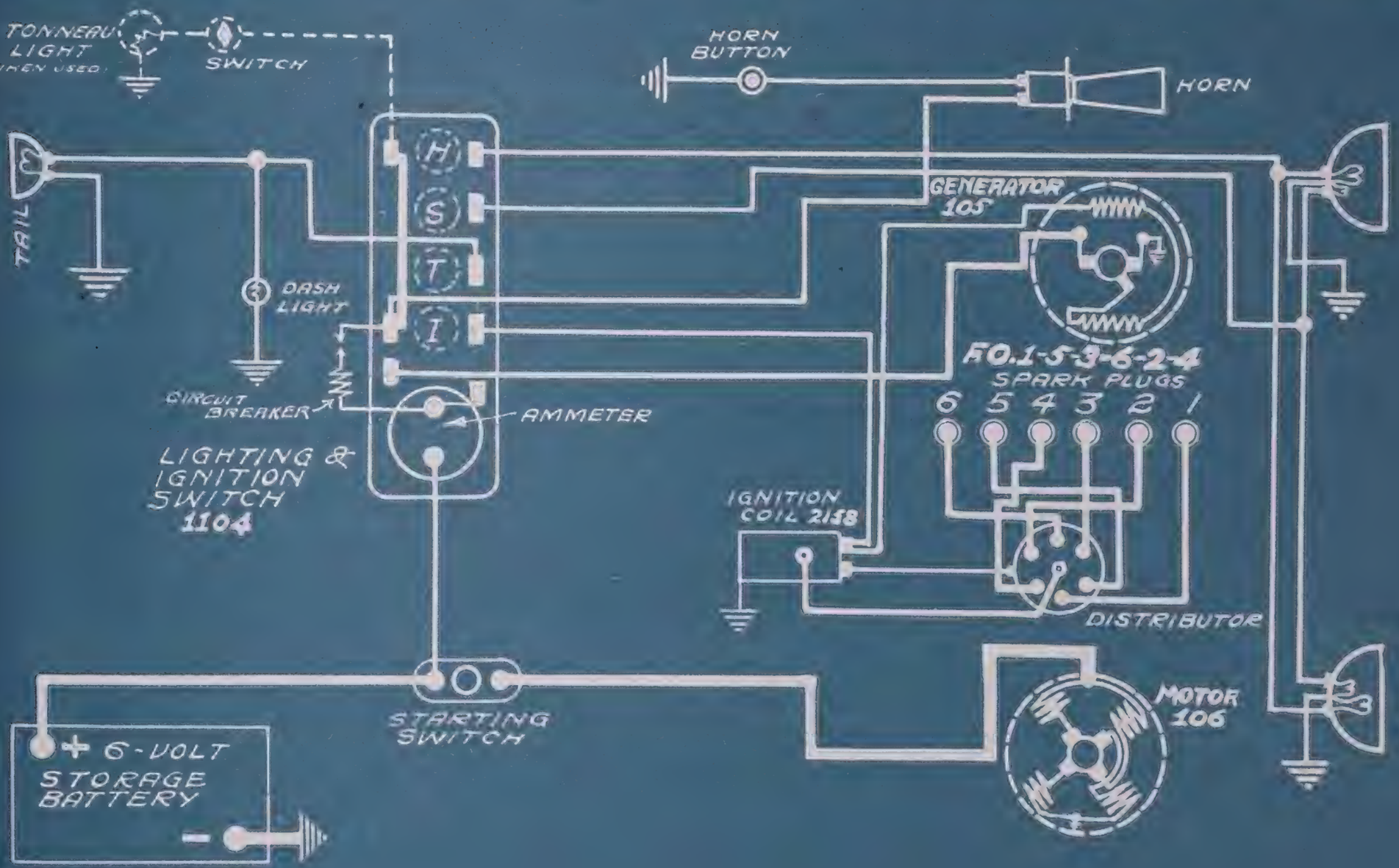
PATERSON 1916 6-42

DELCO SYSTEM



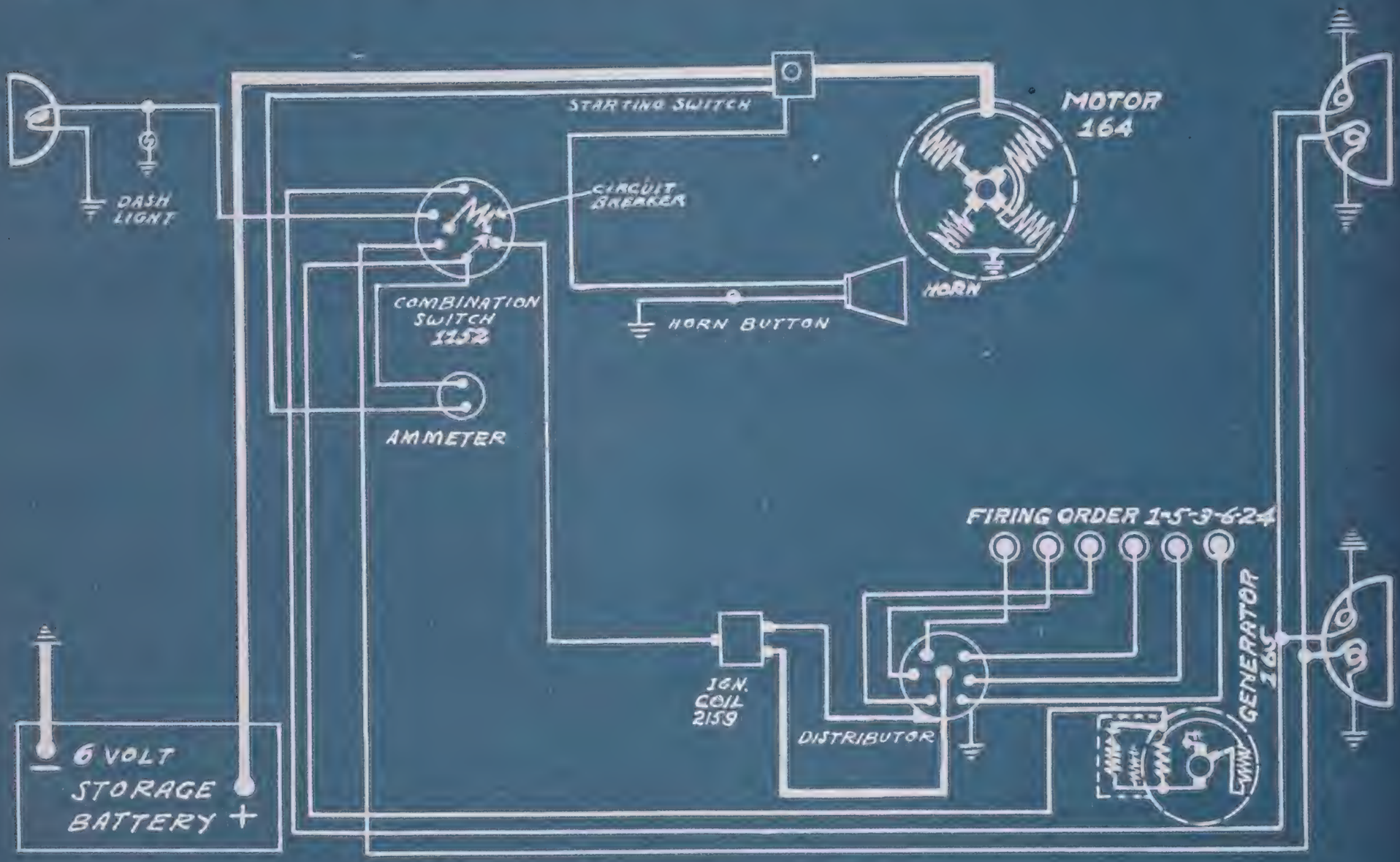
PATERSON 1917-18 6-45 & 6-45R – 1919 6-46

DELCO SYSTEM

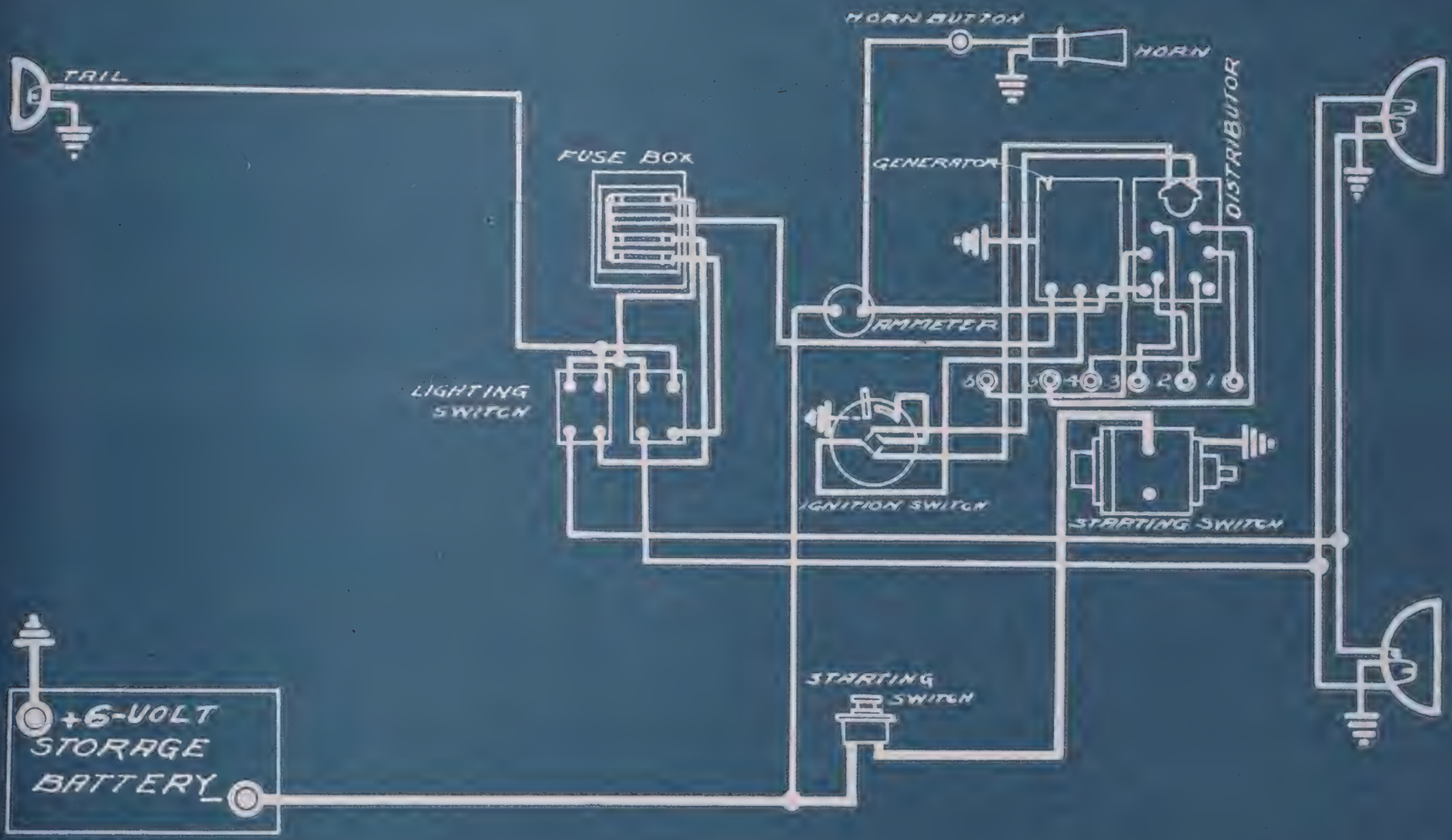


PATERSON 6-47-6-50-1920-1921 6-50-1922

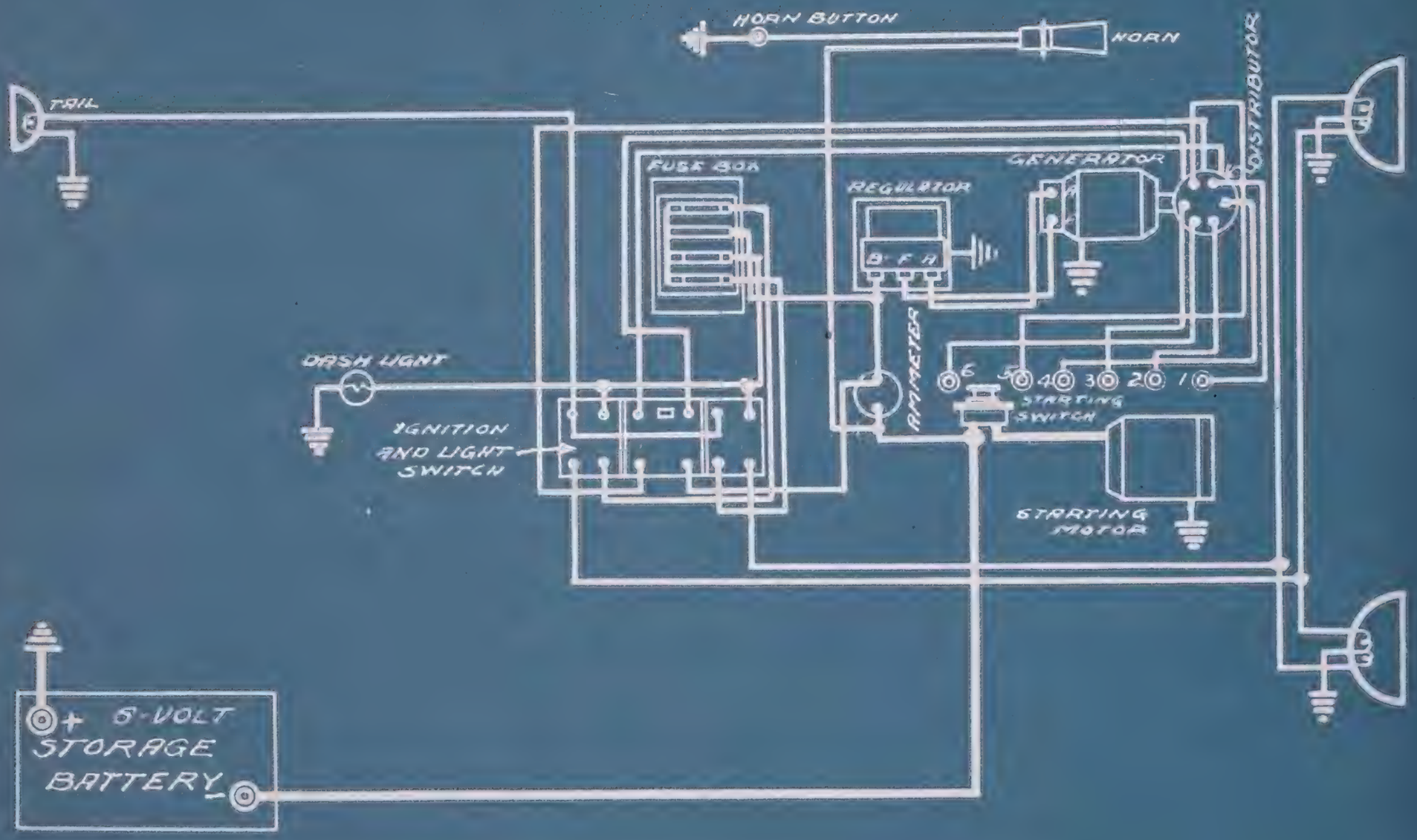
DELCO SYSTEM



PATHFINDER 1915
WESTINGHOUSE SYSTEM

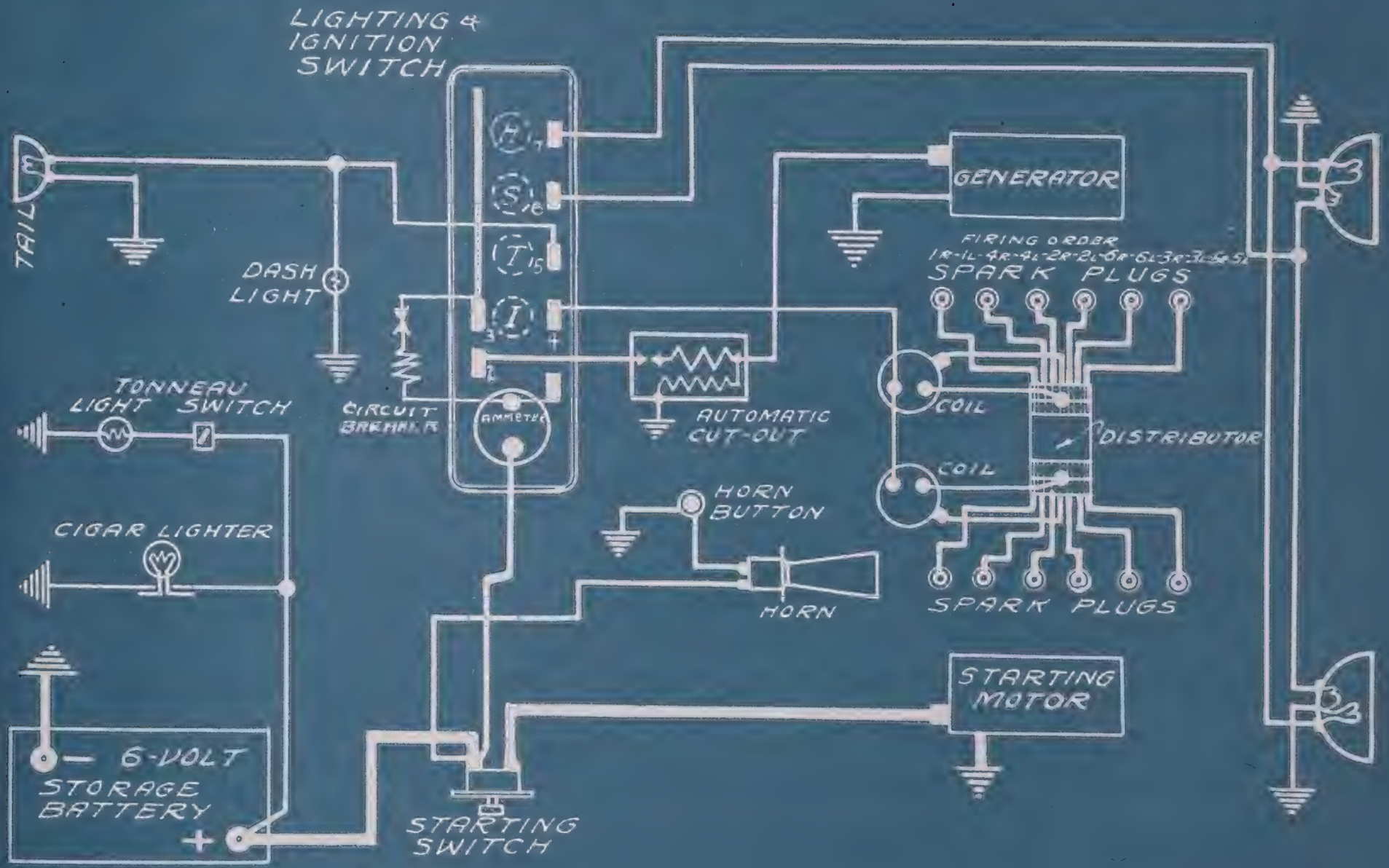


PATHFINDER 1916
WESTINGHOUSE SYSTEM



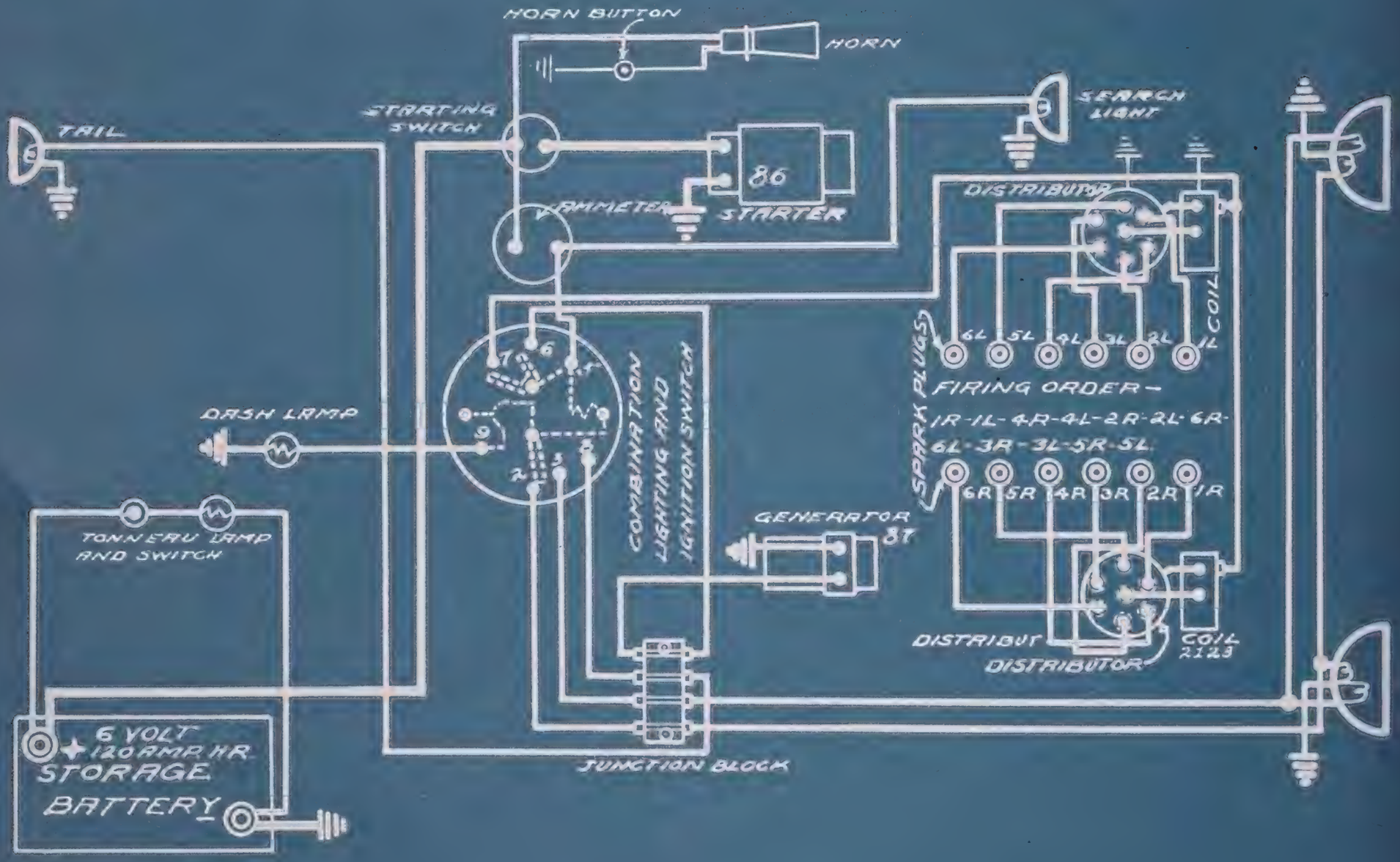
PATHFINDER 1916 "ONE-B"

DELCO SYSTEM



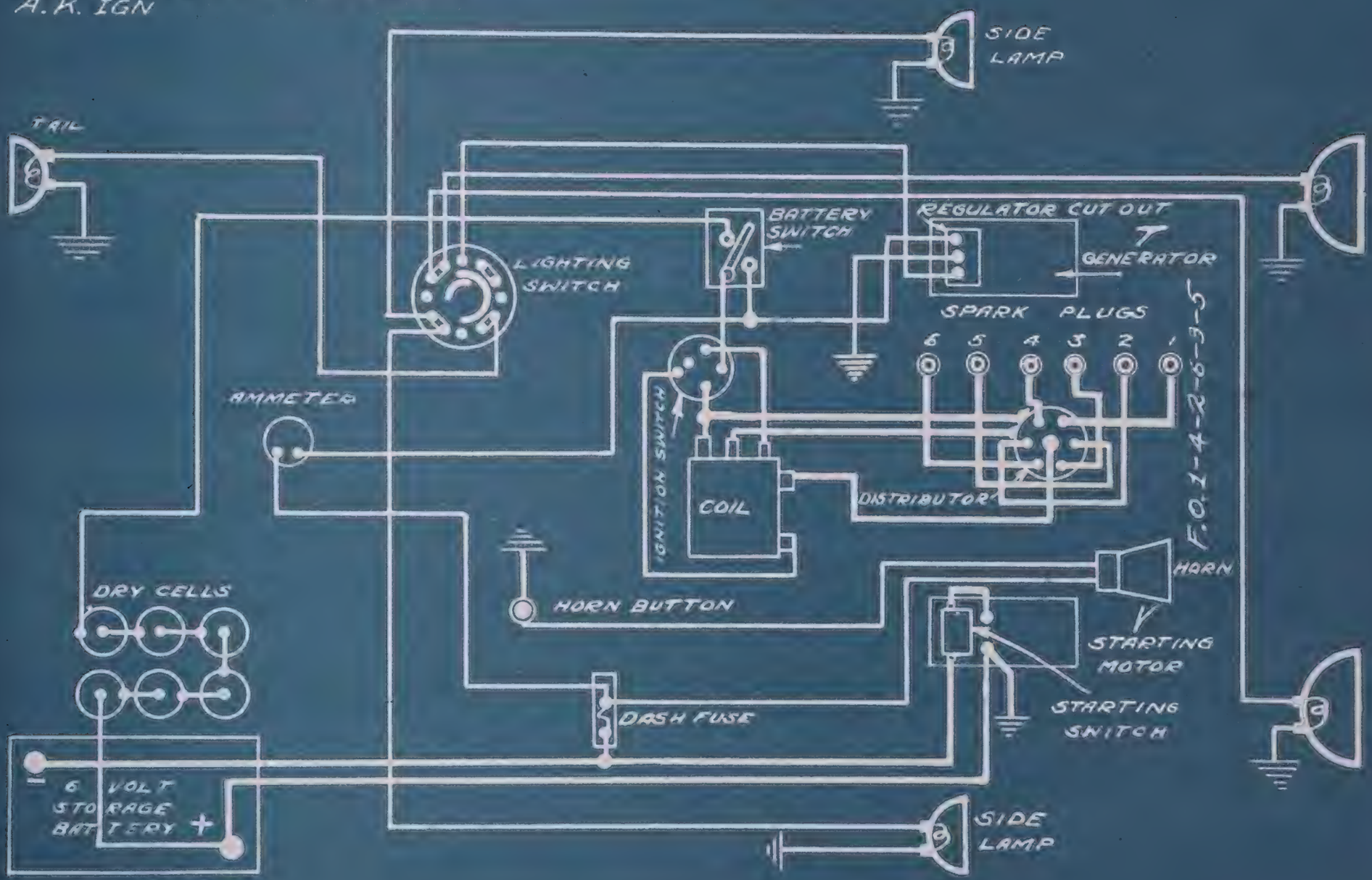
PATHFINDER 1917 "12"

DELCO SYSTEM



PEERLESS 1915 55

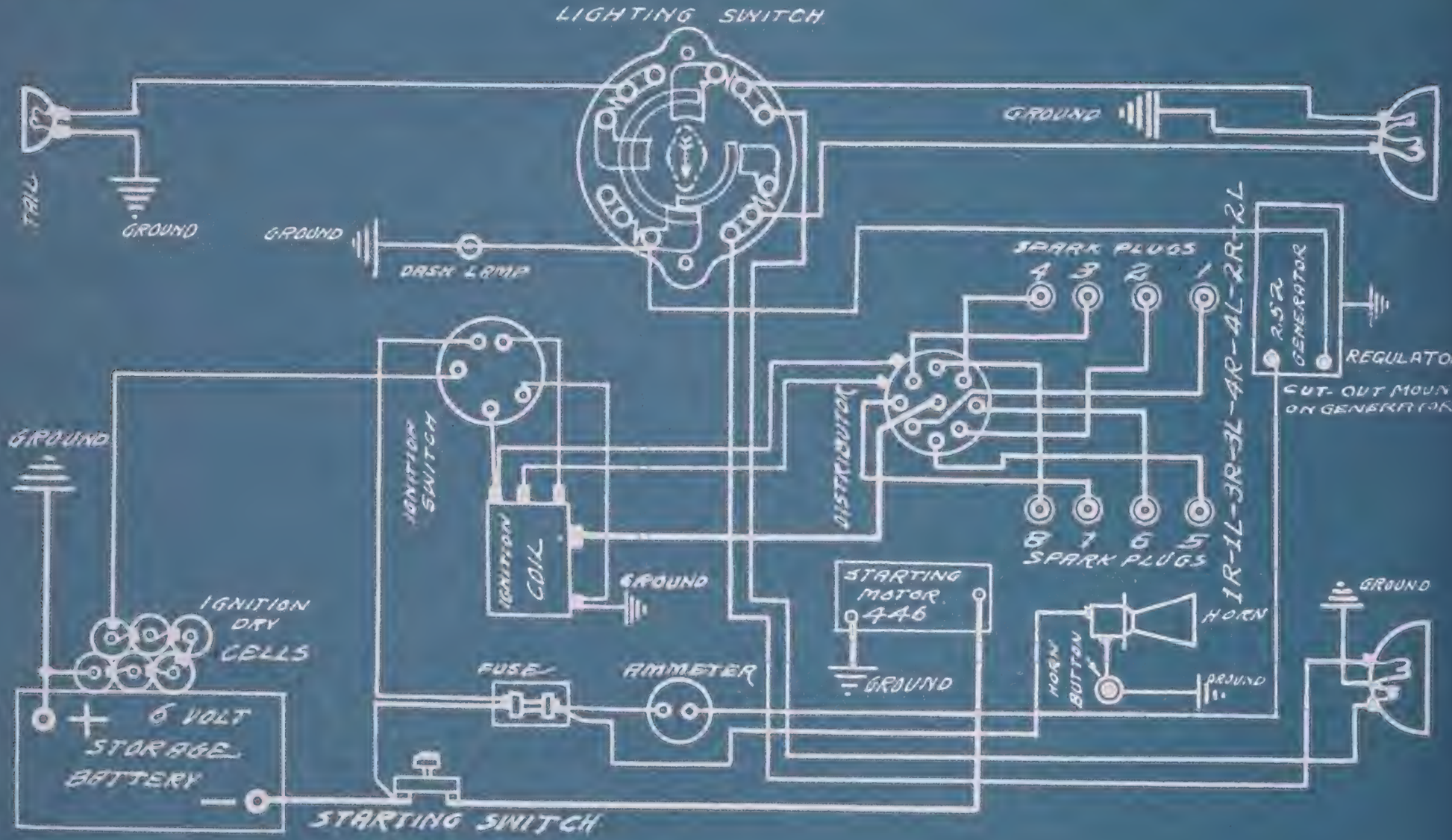
GRAY AND DAVIS SYSTEM
A. K. IGN



PEERLESS "56-57FF" 1916

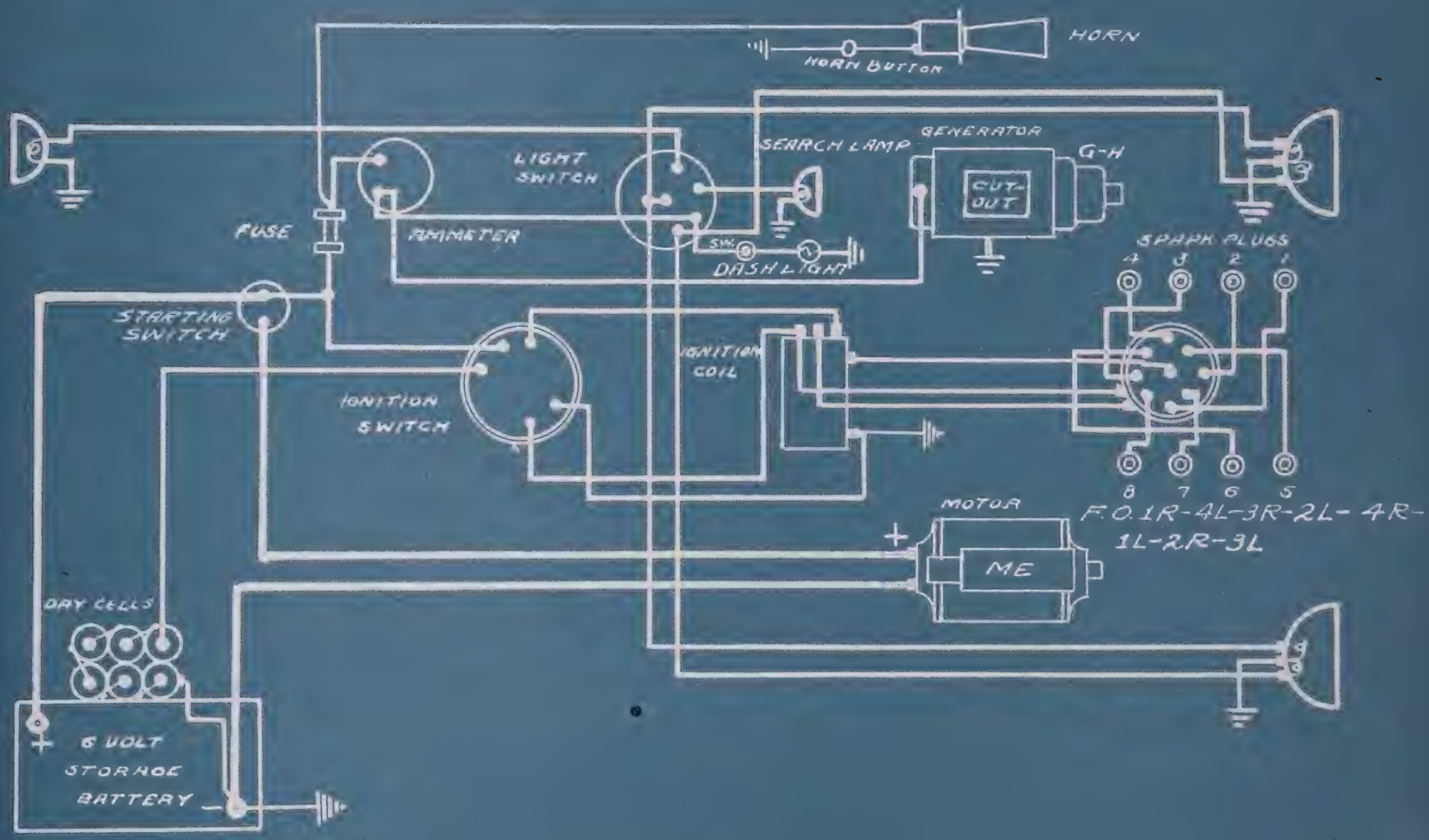
GRAY & DAVIS SYSTEM

A.M. IGN



PEERLESS MODEL 56-2FF 1917-1918

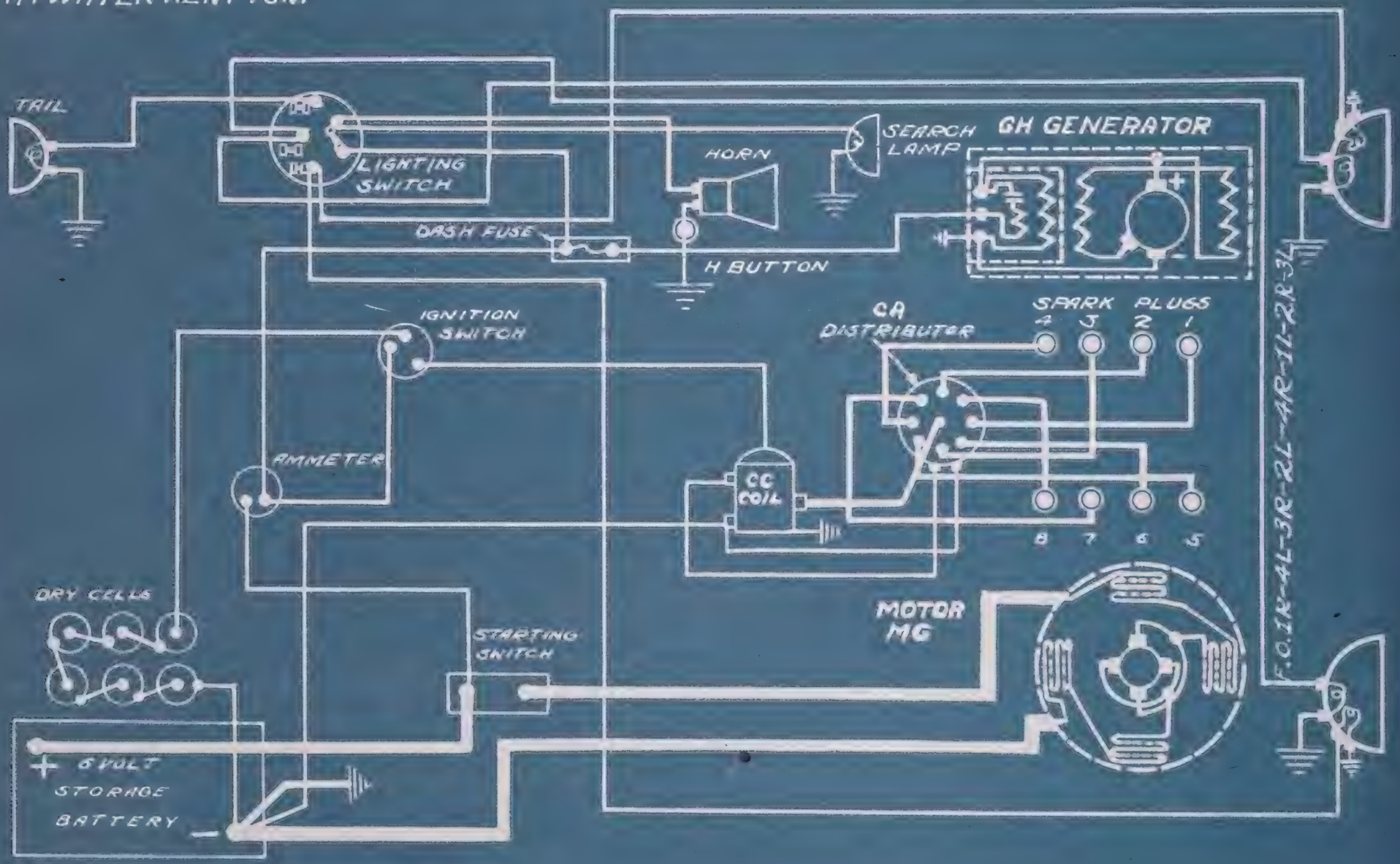
AUTOLITE SYSTEM
A.K. IGN.



PEERLESS 1918-19-20 MODEL 56

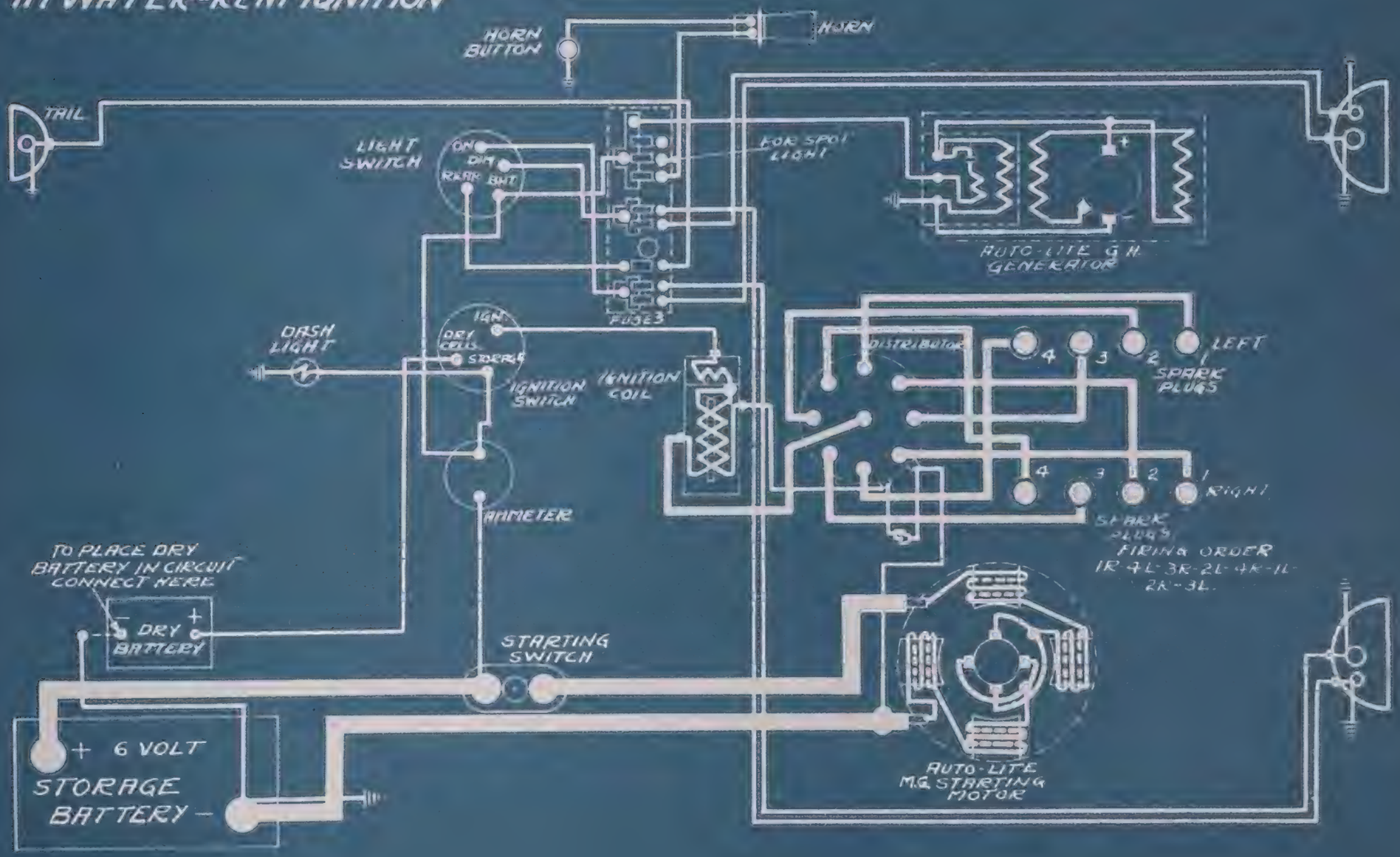
AUTOLITE SYSTEM

ATWATER KENT IGN.



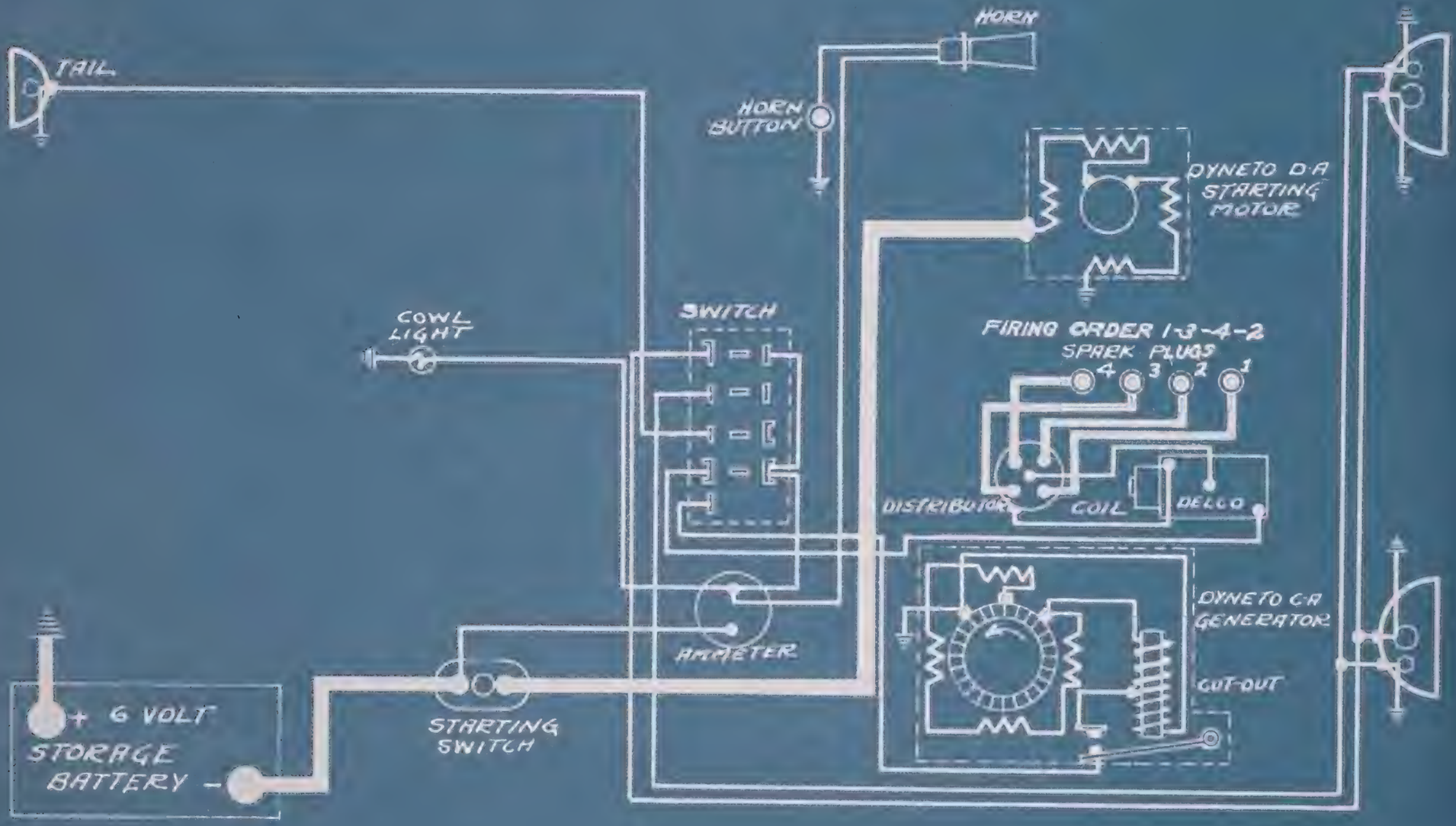
PEERLESS "56" 1921-1922

AUTO-LITE SYSTEM
ATWATER-KENT IGNITION



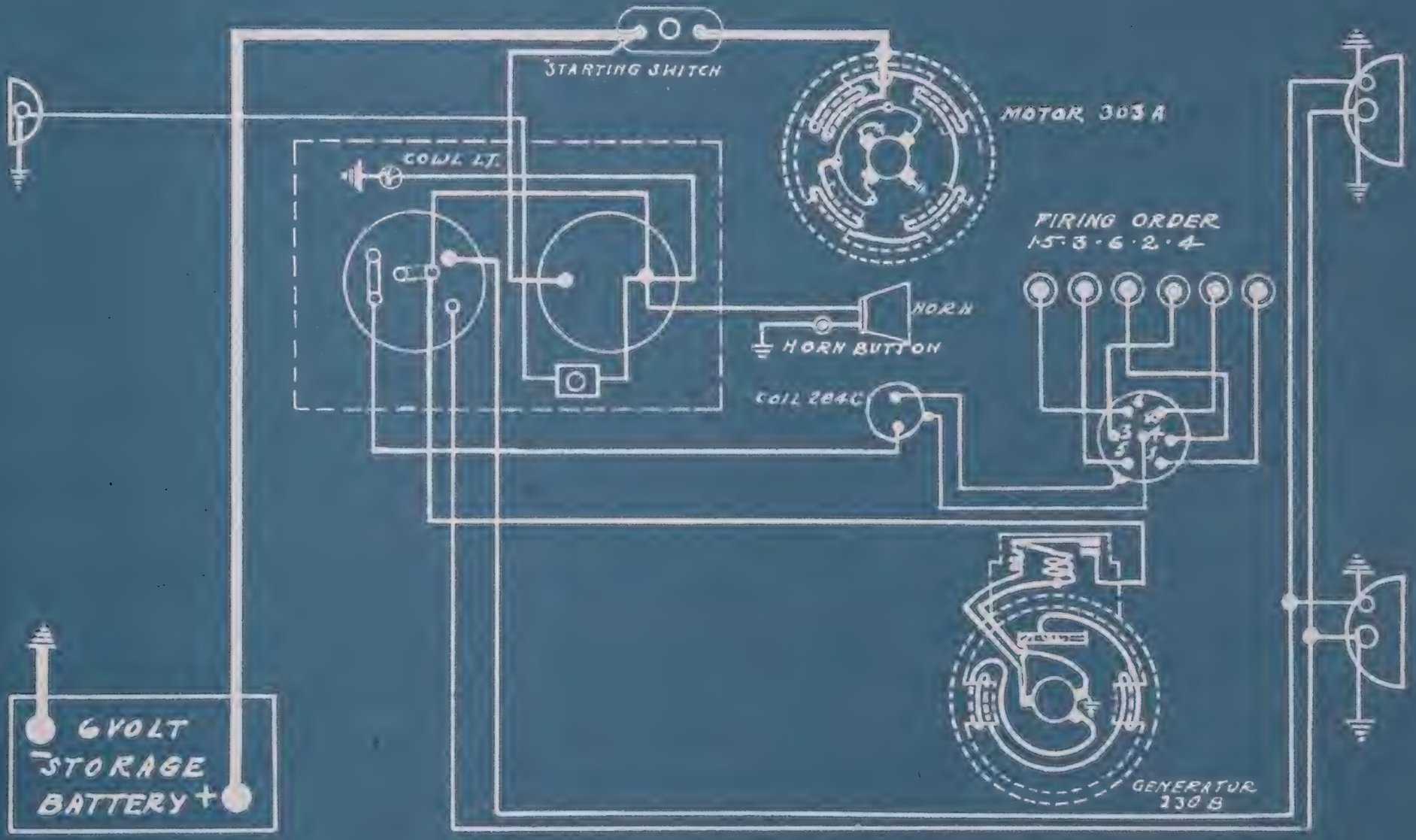
PIEDMONT 1917-18-19-20-21 MODELS 4-30

DYNETO STG & LTG. DELCO IGNITION.



PIEDMONT "6-40" - 1918-19-20-21

REMY SYSTEM

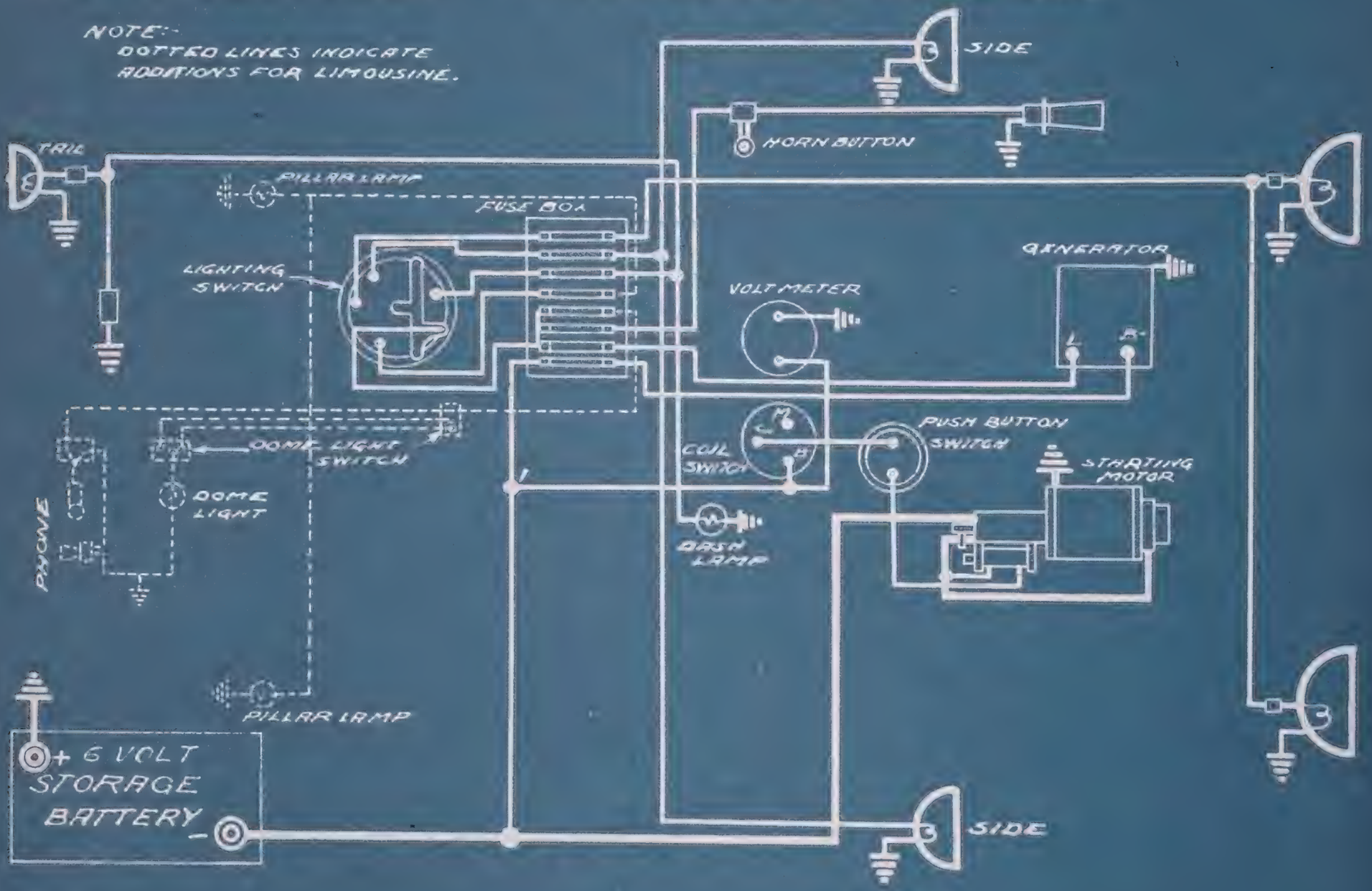


PIERCE-ARROW 1914 38-C-2

WESTINGHOUSE SYSTEM

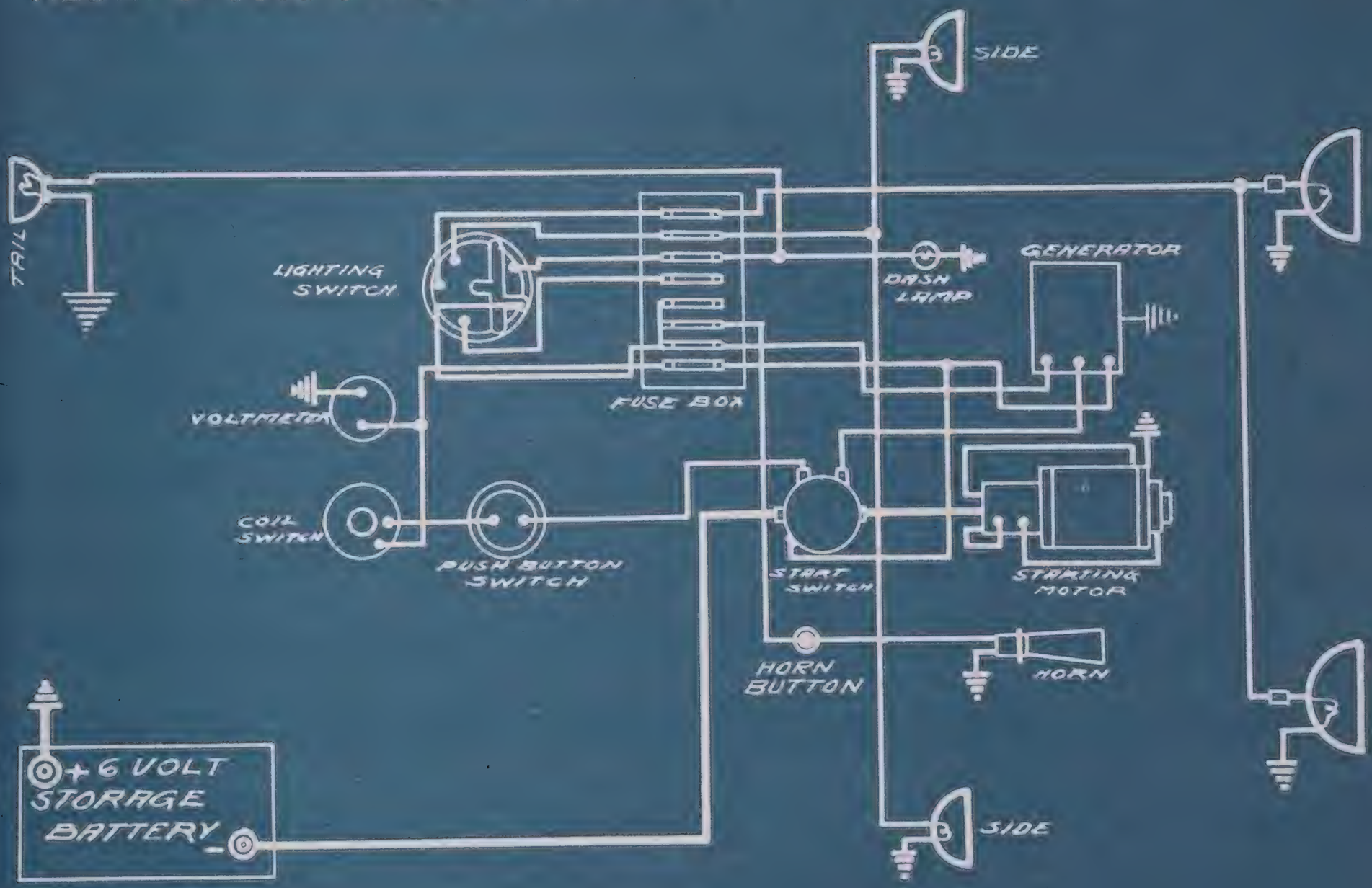
LIMOUSINE AND TOURING CARS

NOTE:-
DOTTED LINES INDICATE
ADDITIONS FOR LIMOUSINE.



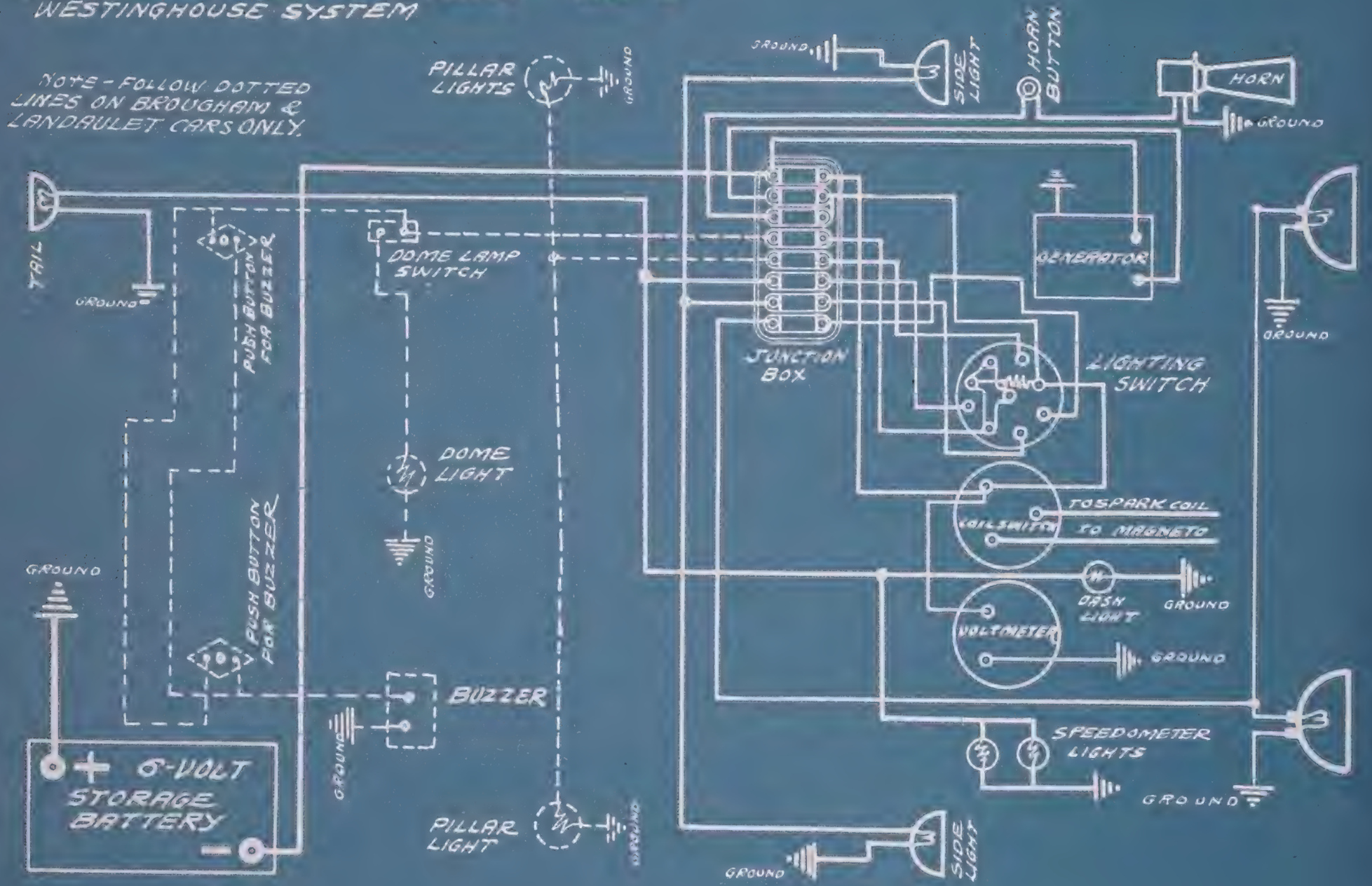
PIERCE-ARROW 1914-15 48-B

WESTINGHOUSE SYSTEM

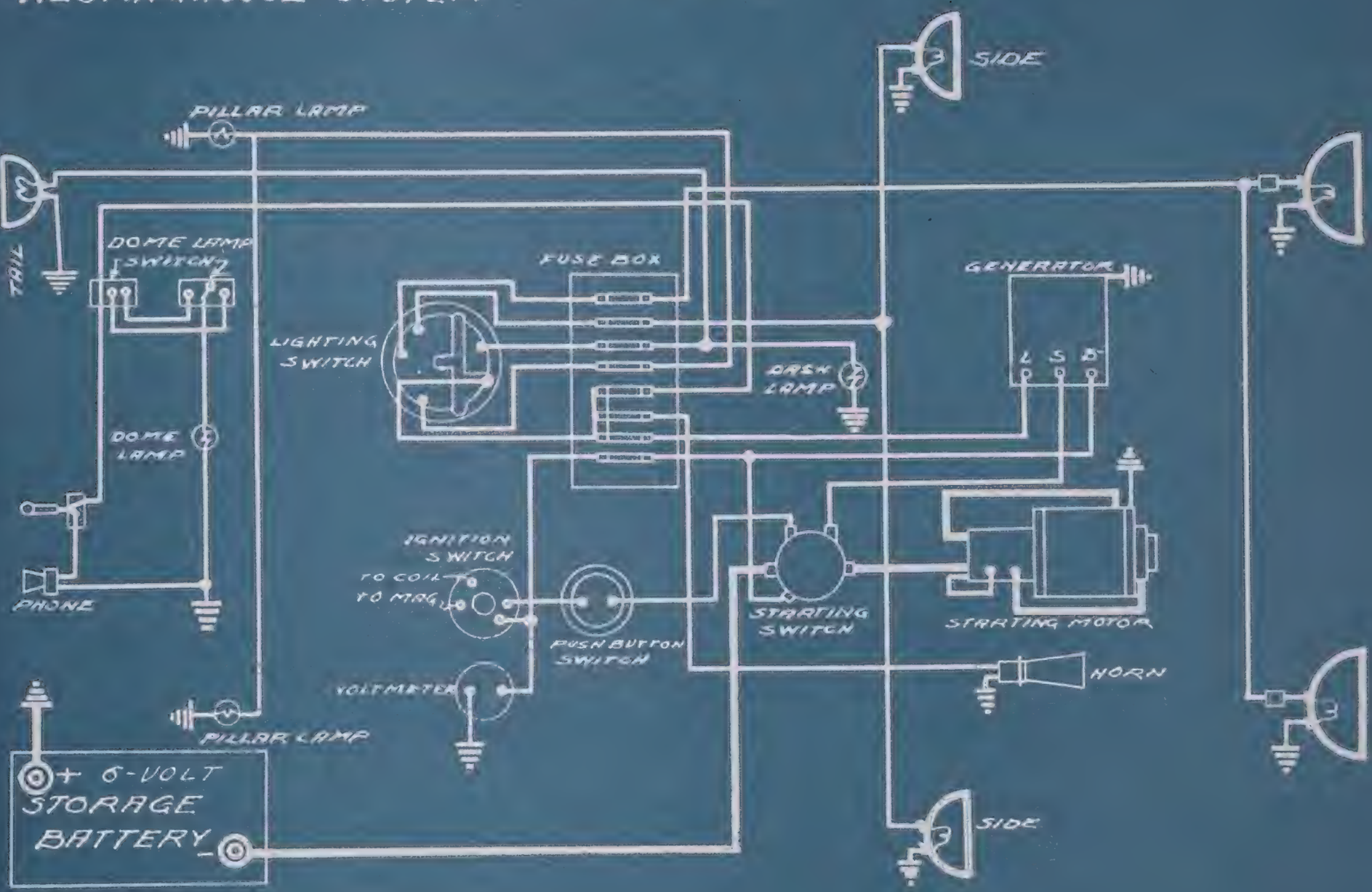


PIERCE-ARROW 1915 "38-C"

WESTINGHOUSE SYSTEM



PIERCE-ARROW 1915 48-B-3
WESTINGHOUSE SYSTEM

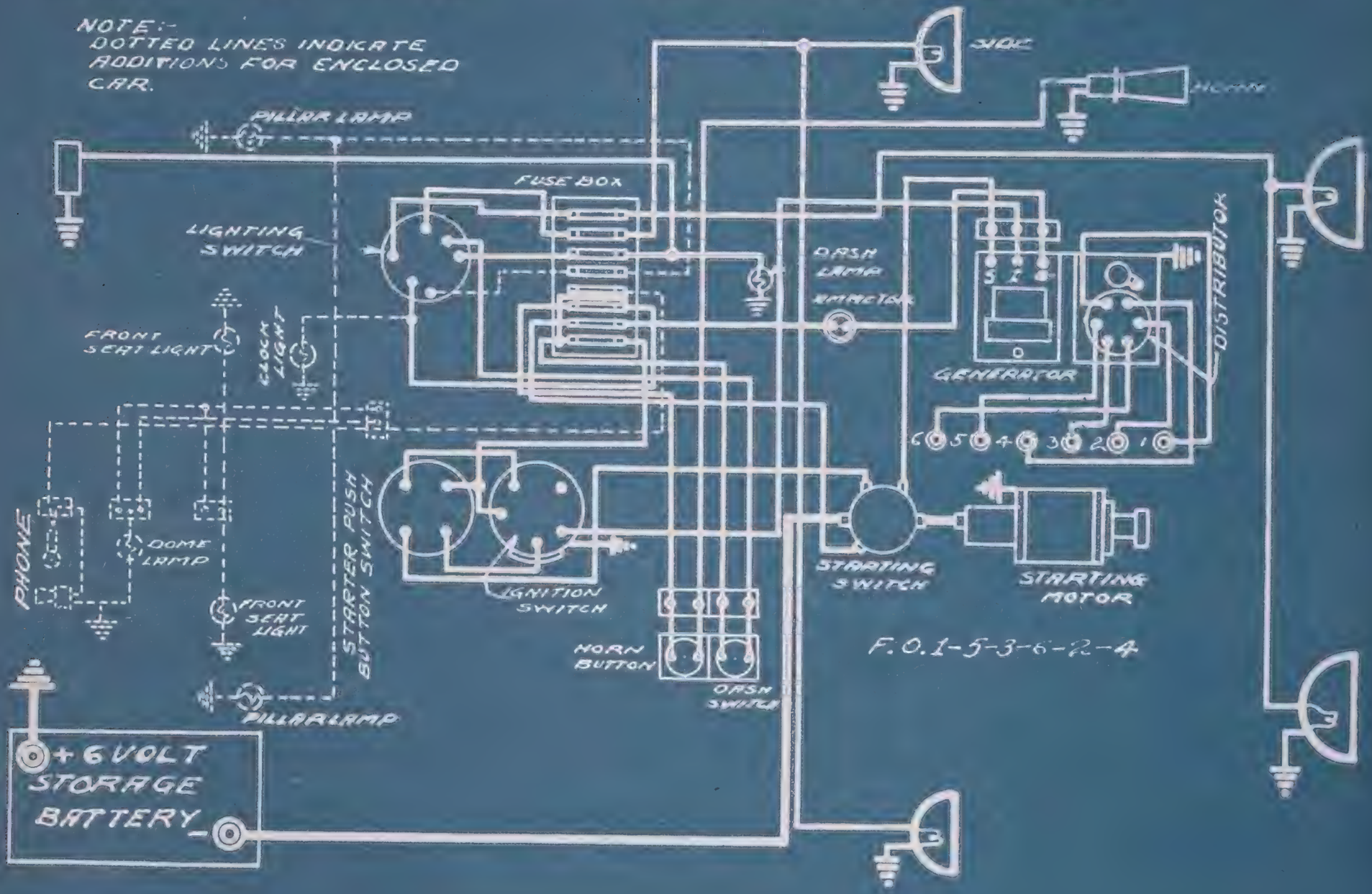


PIERCE-ARROW 1916

WESTINGHOUSE SYSTEM

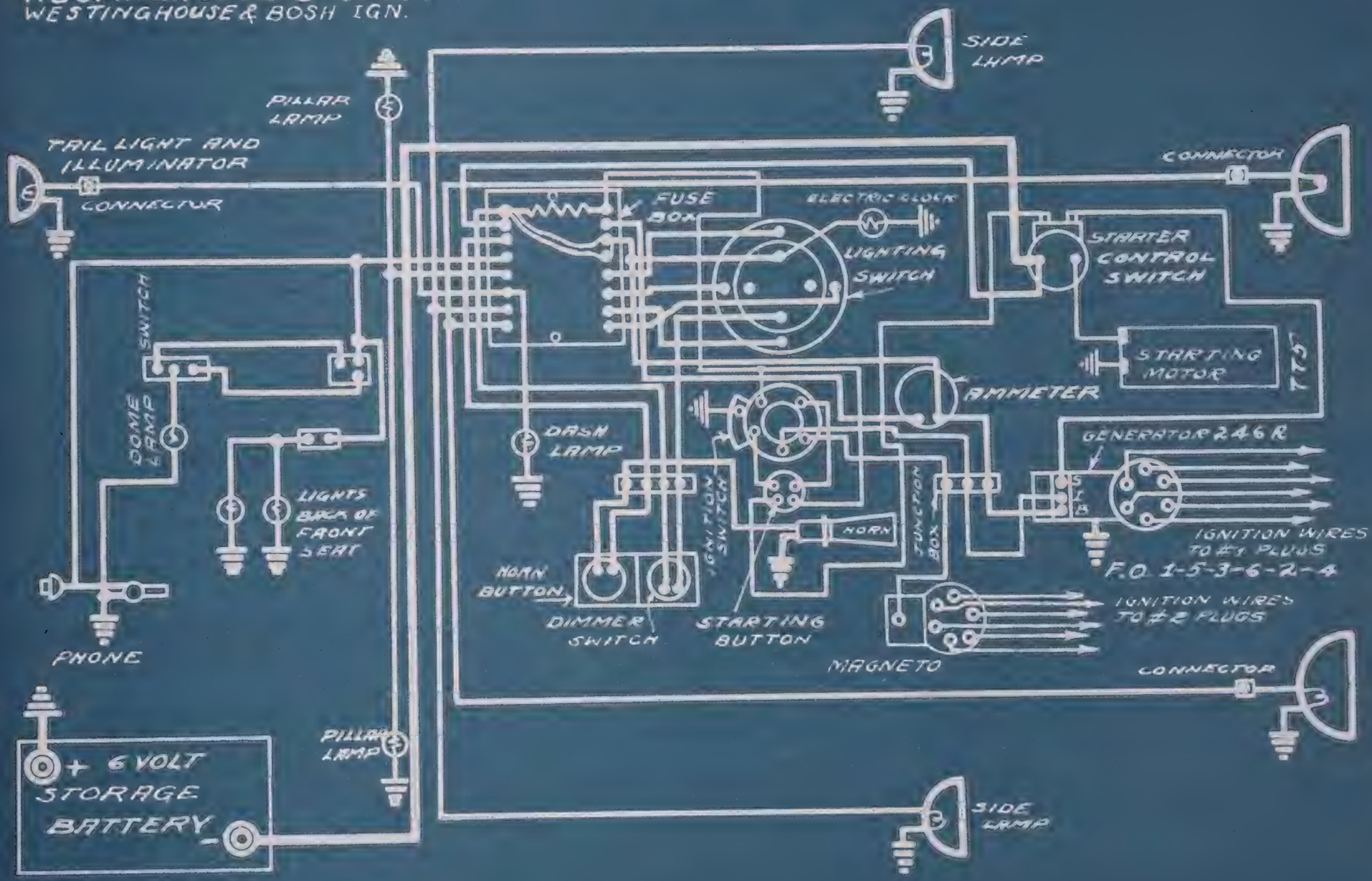
TOURING AND ENCLOSED CARS

NOTE:-
DOTTED LINES INDICATE ADDITIONS FOR ENCLOSED CAR.



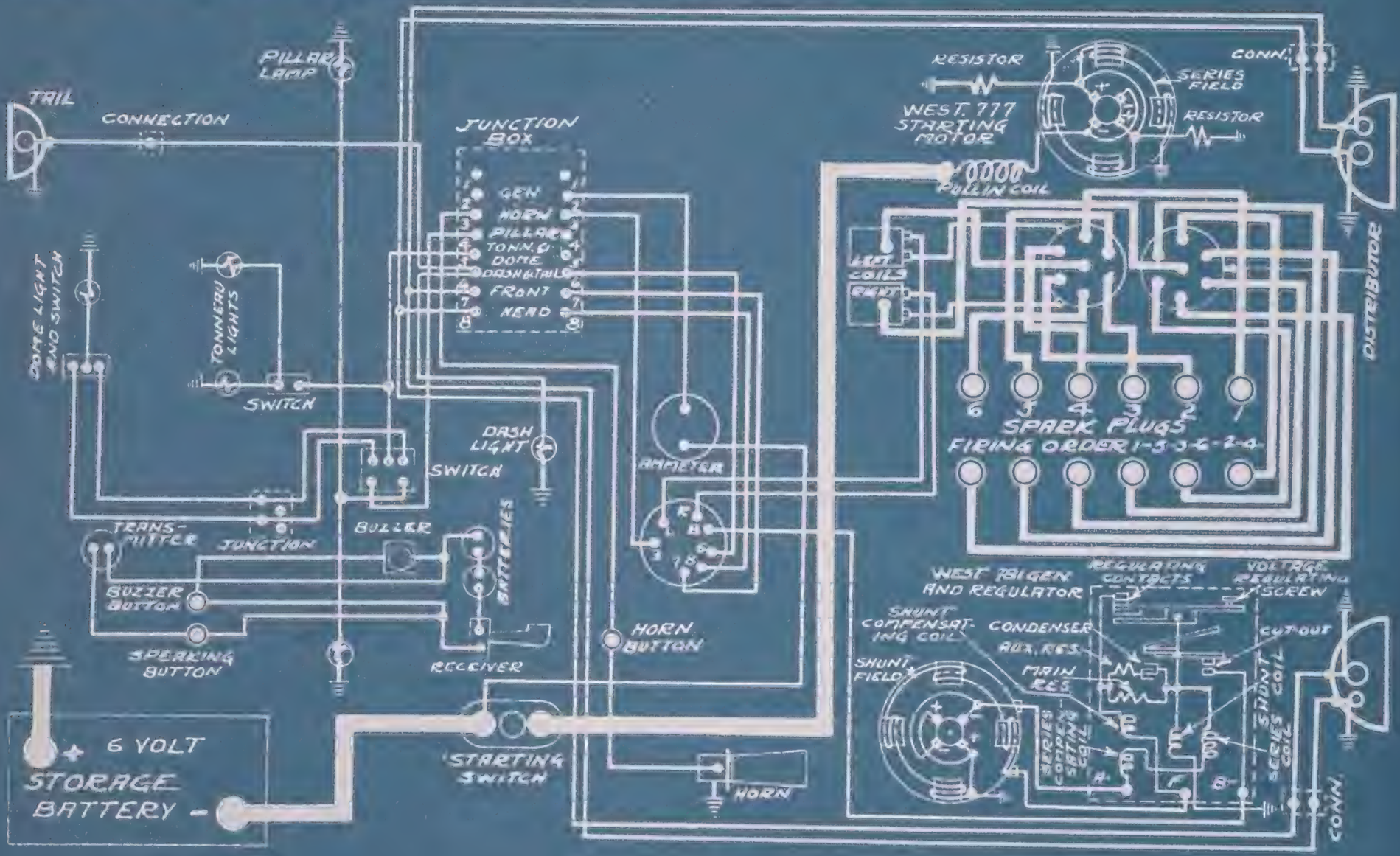
PIERCE-ARROW 1917-18 38-48-66

WESTINGHOUSE SYSTEM
WESTINGHOUSE & BOSH IGN.



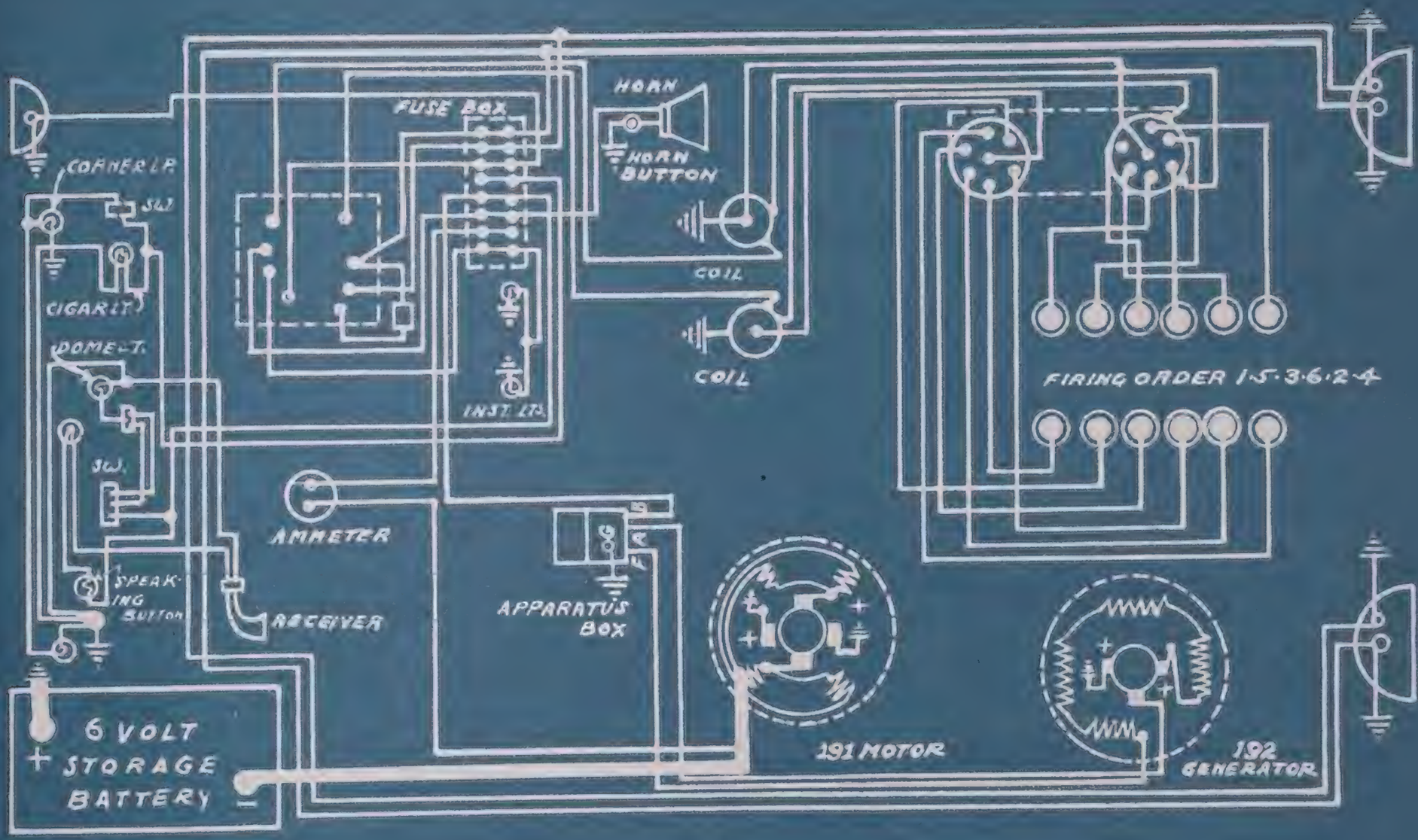
PIERCE-ARROW "38 & 48" 1919-20

WESTINGHOUSE SYSTEM - DELCO IGNITION



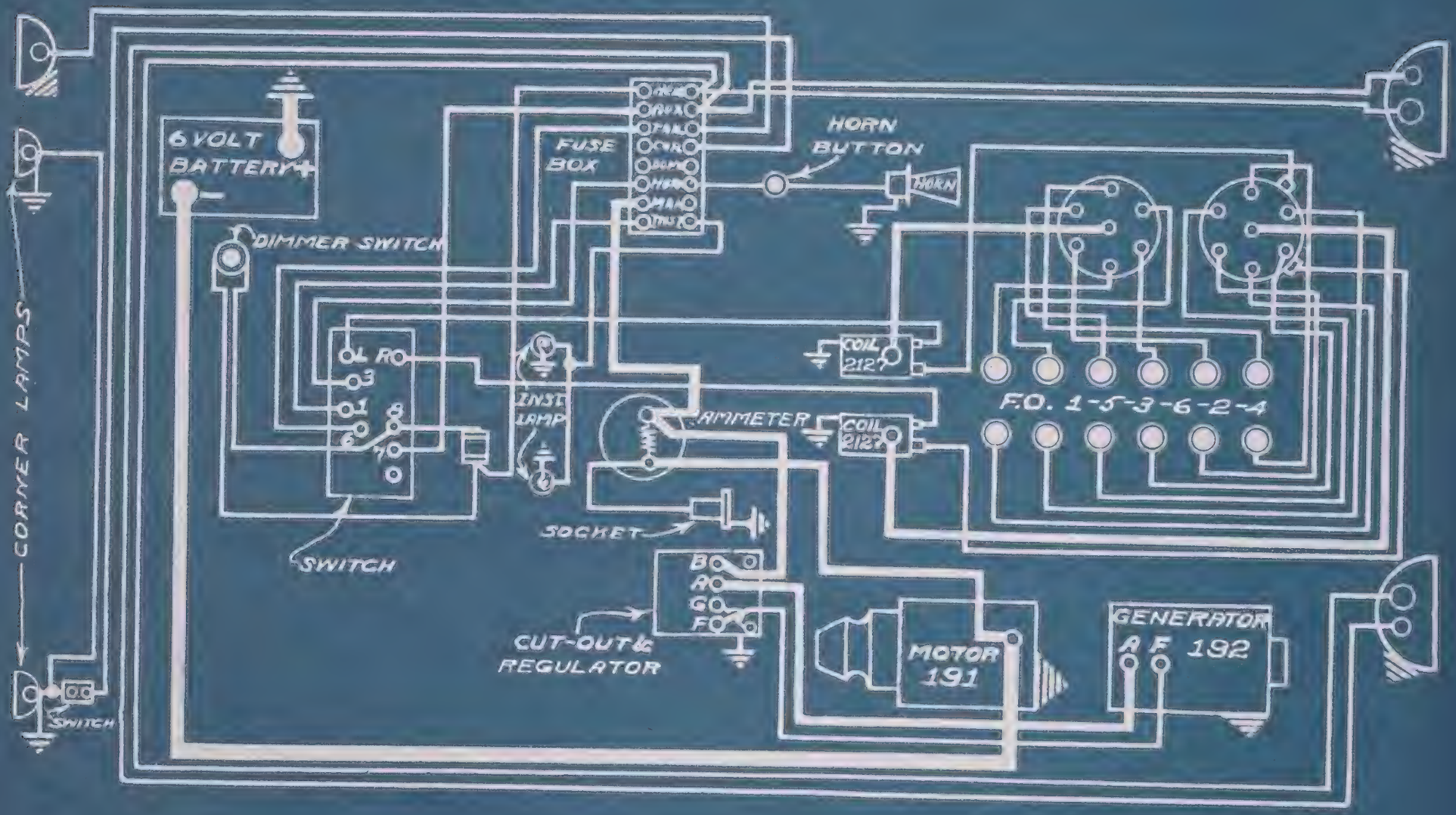
PIERCE-ARROW 1921

DELCO SYSTEM



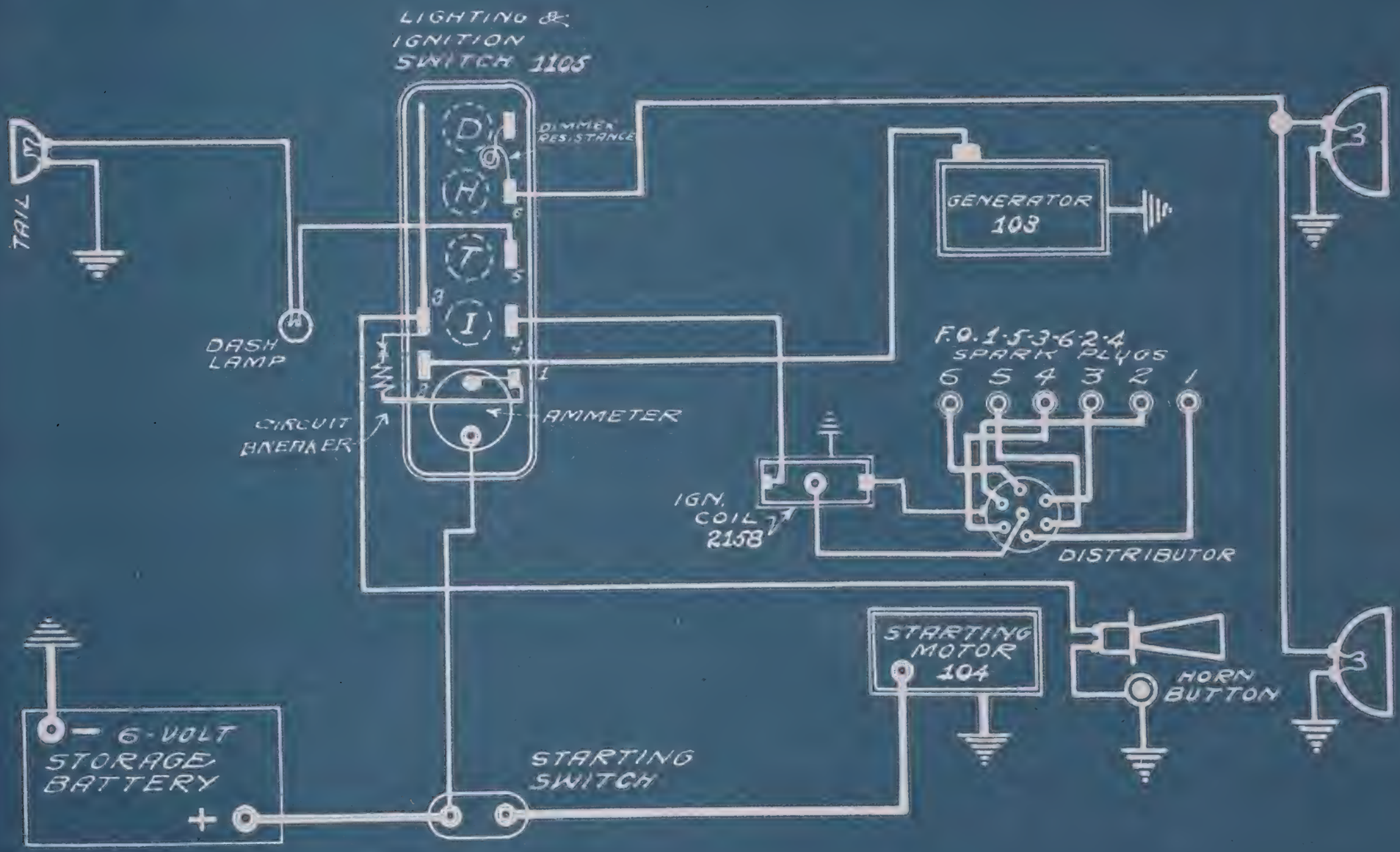
PIERCE-ARROW "33" 1922

DELCO SYSTEM

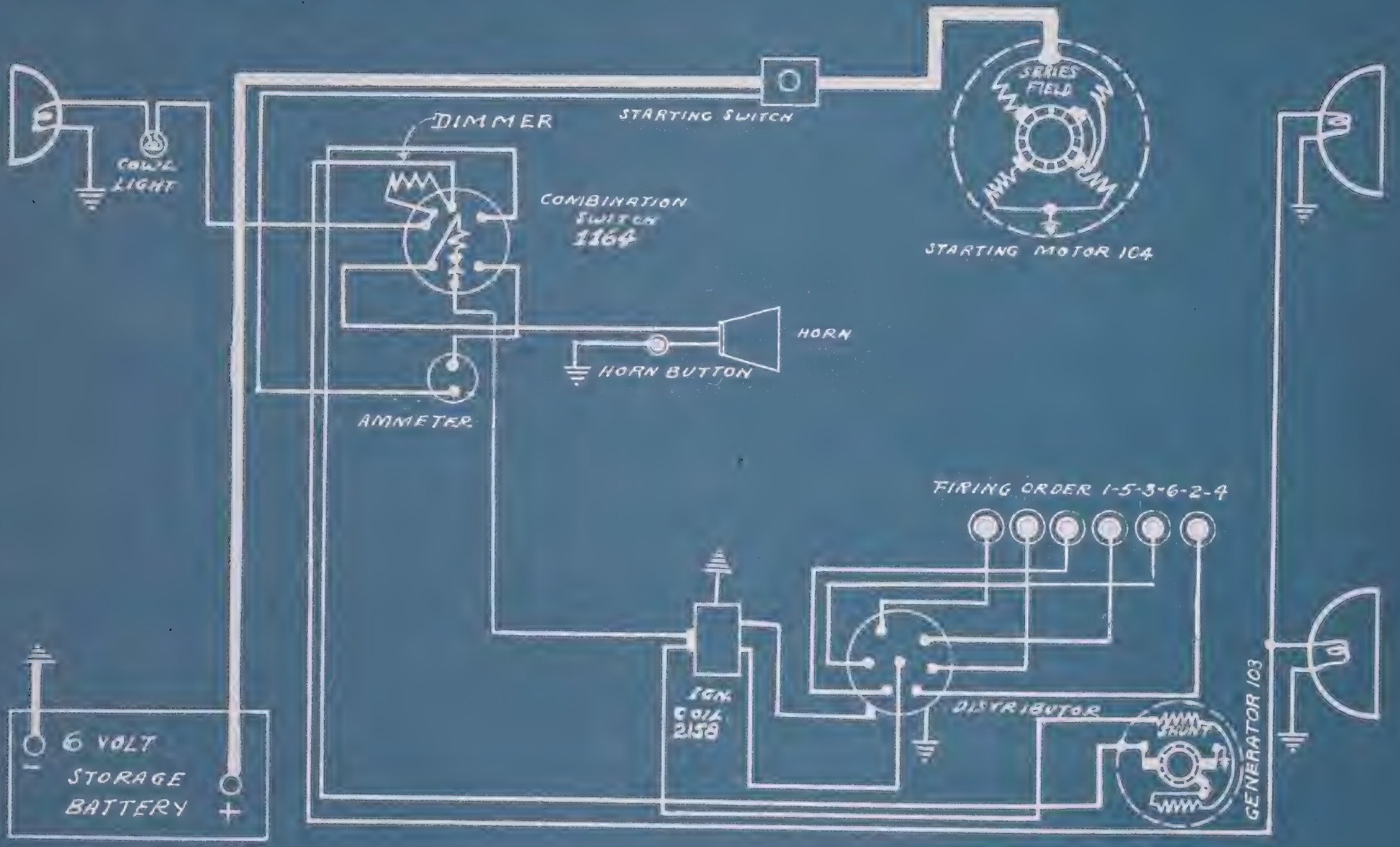


PILOT 1916-17-18 6-45

DELCO SYSTEM



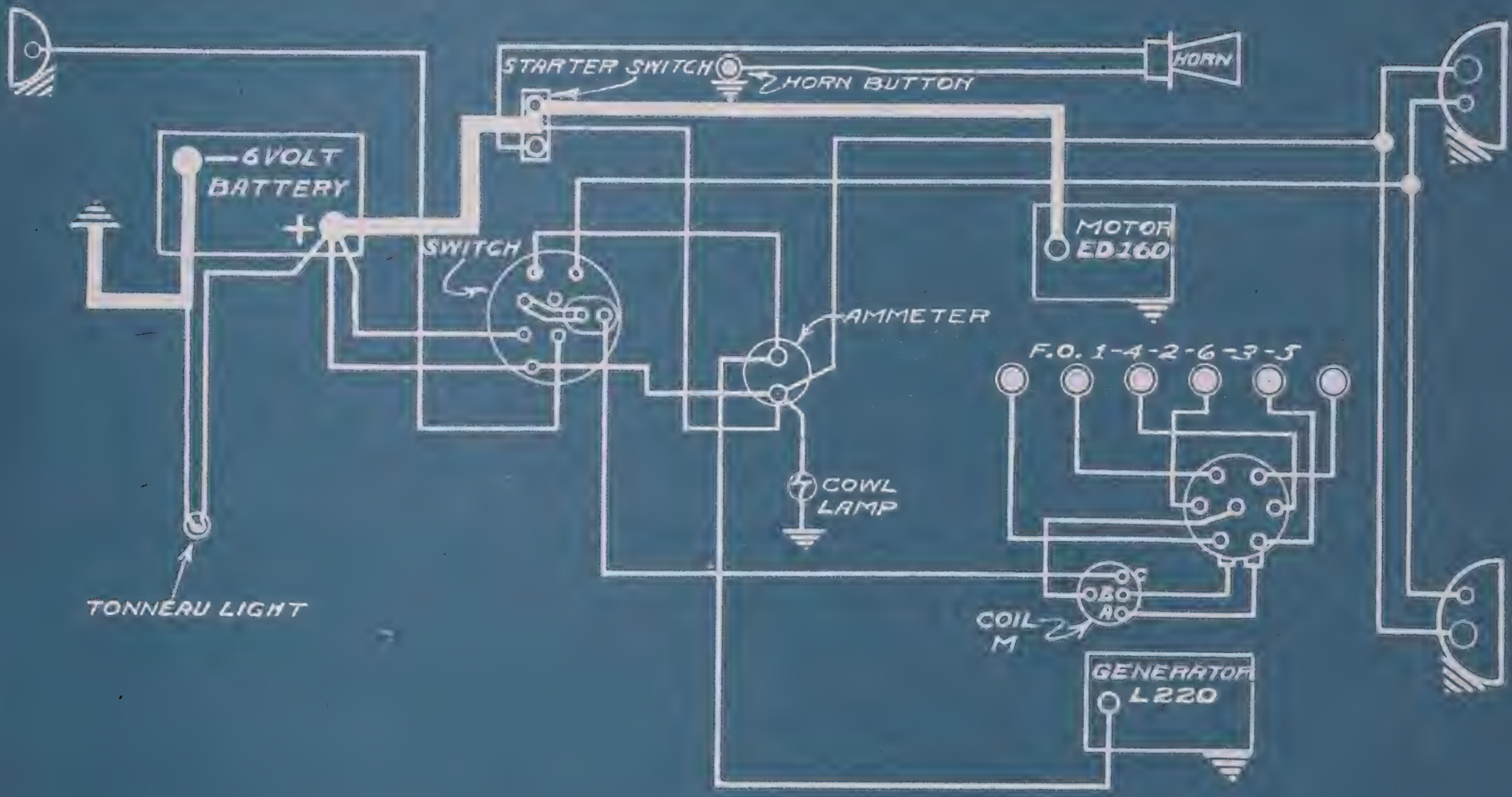
PILOT 6-45 1920-21-22
DELCO SYSTEM



PILOT "6-50" 1921-22

BIJUR SYSTEM

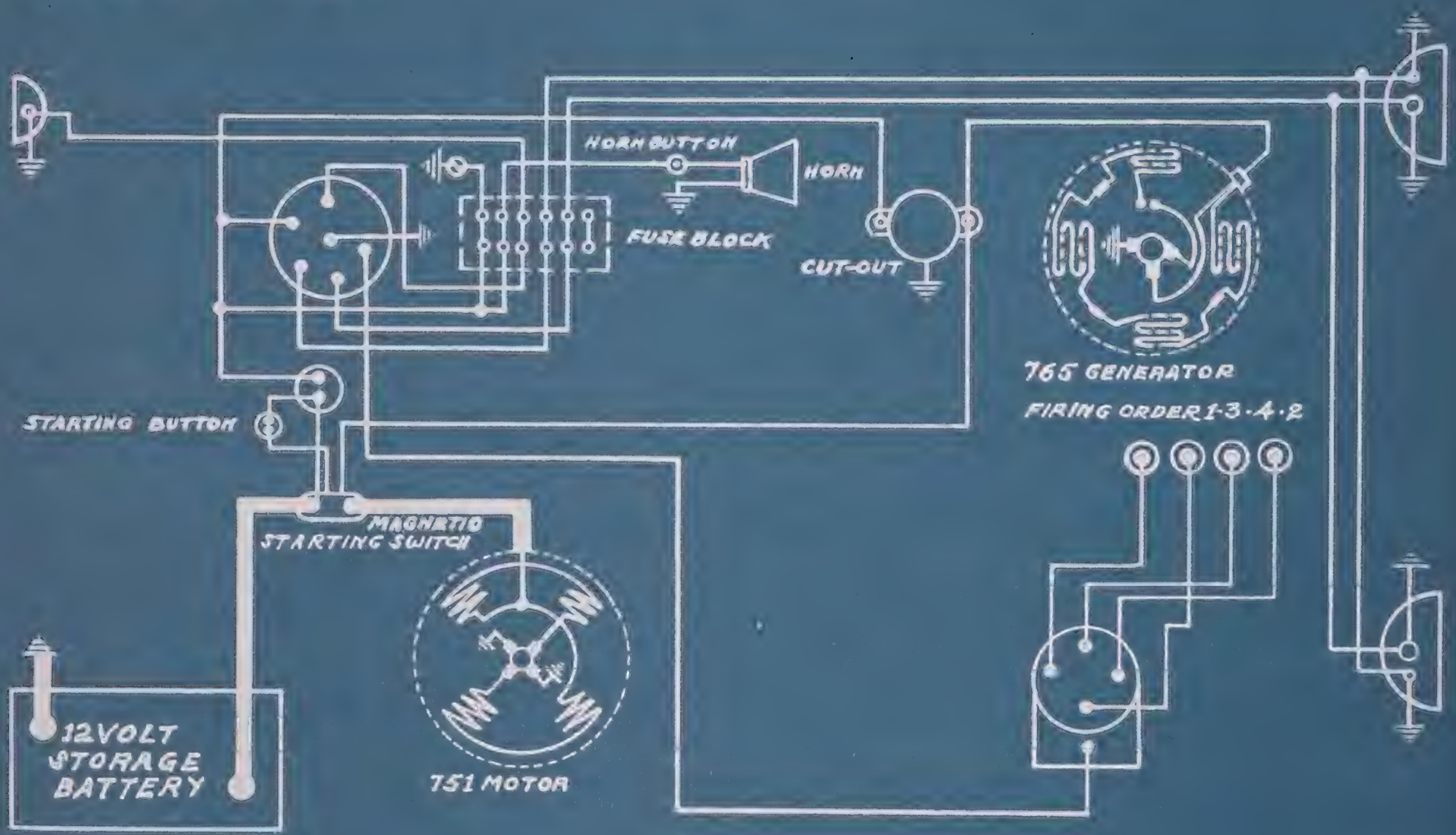
CONN. IGN.



PORTER "46" 1920-1921

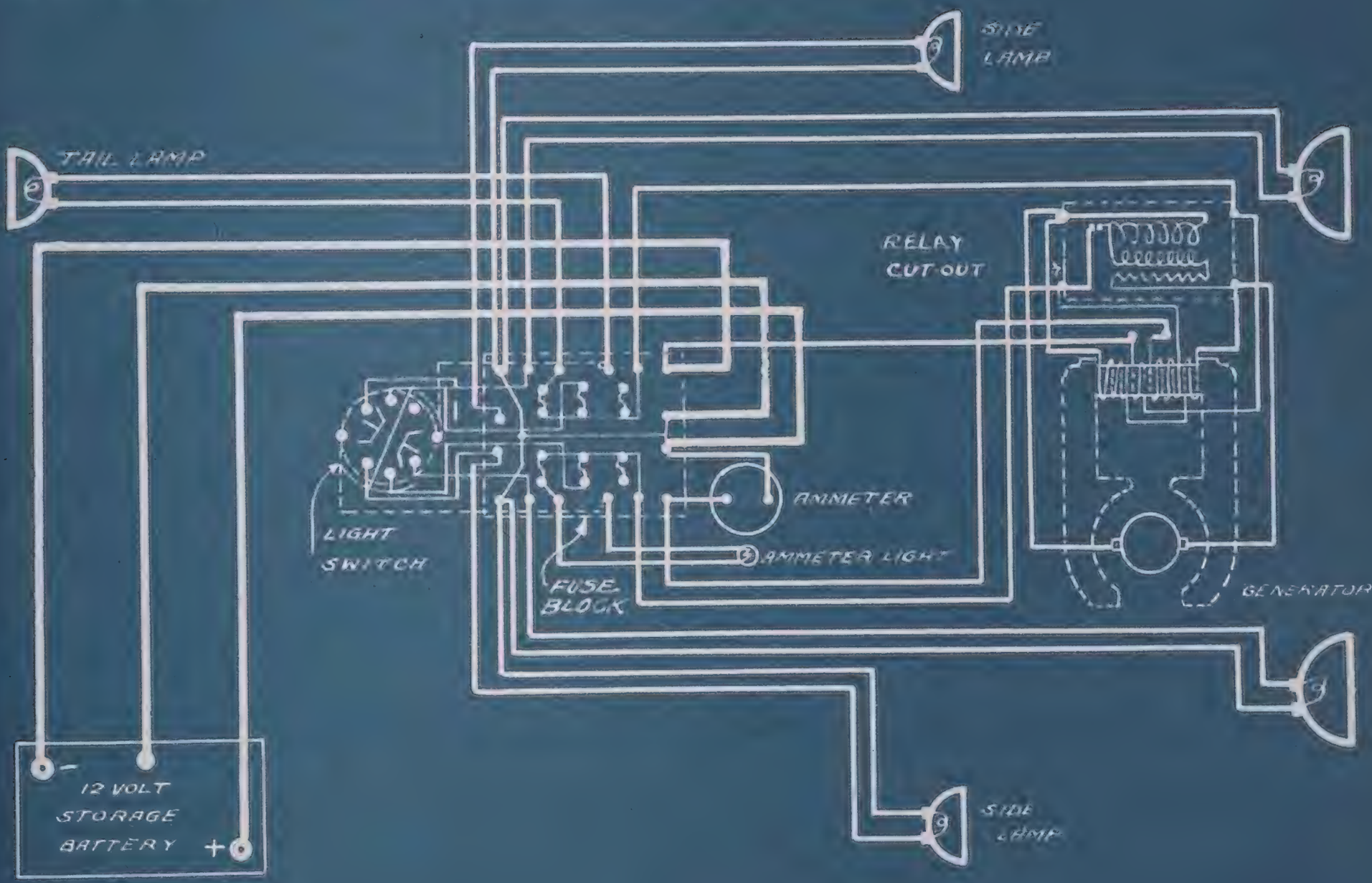
WESTINGHOUSE SYSTEM

BERLING MAG. IGN.



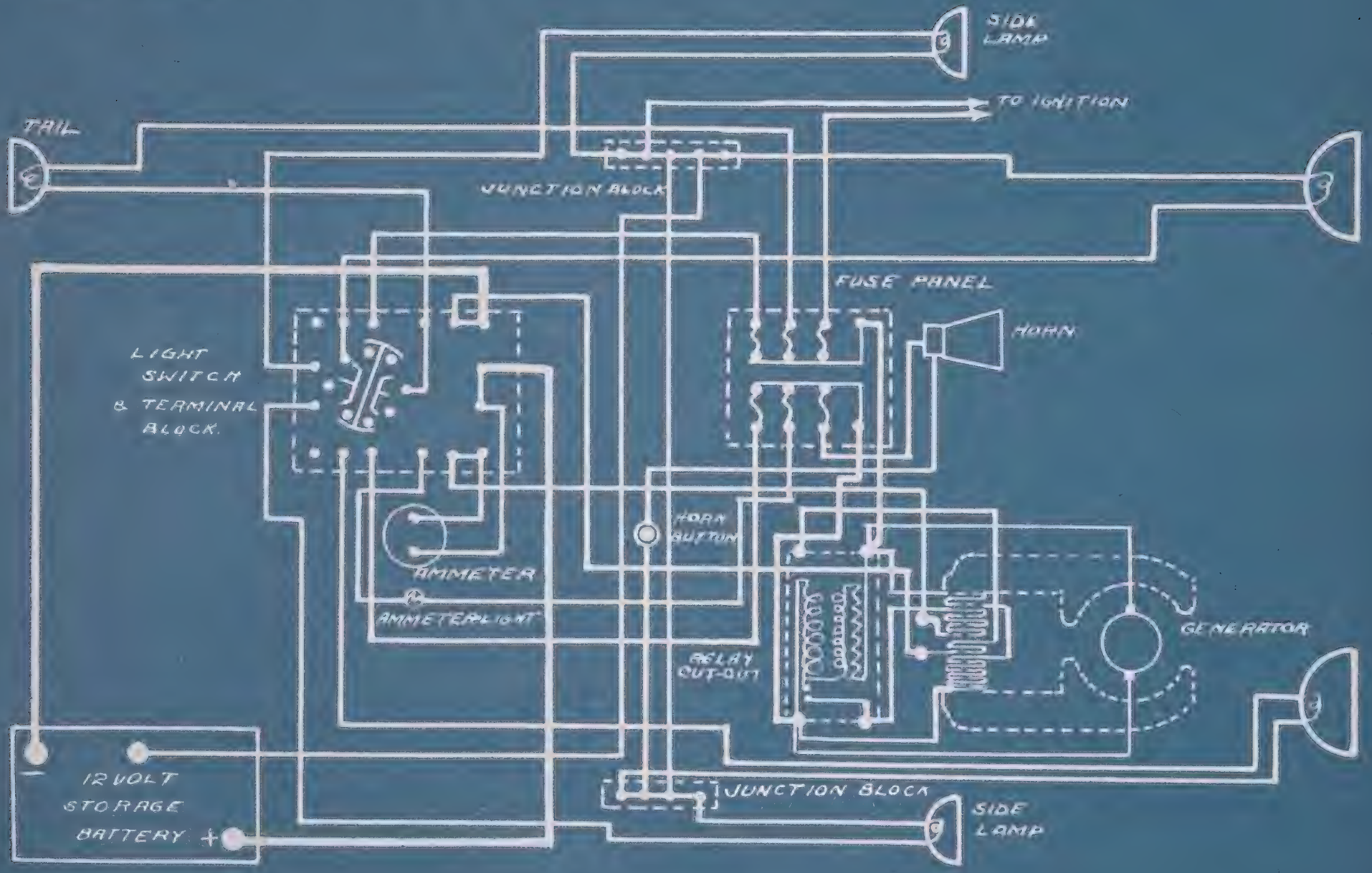
PREMIER MODEL "M" 1914

REMY SYSTEM



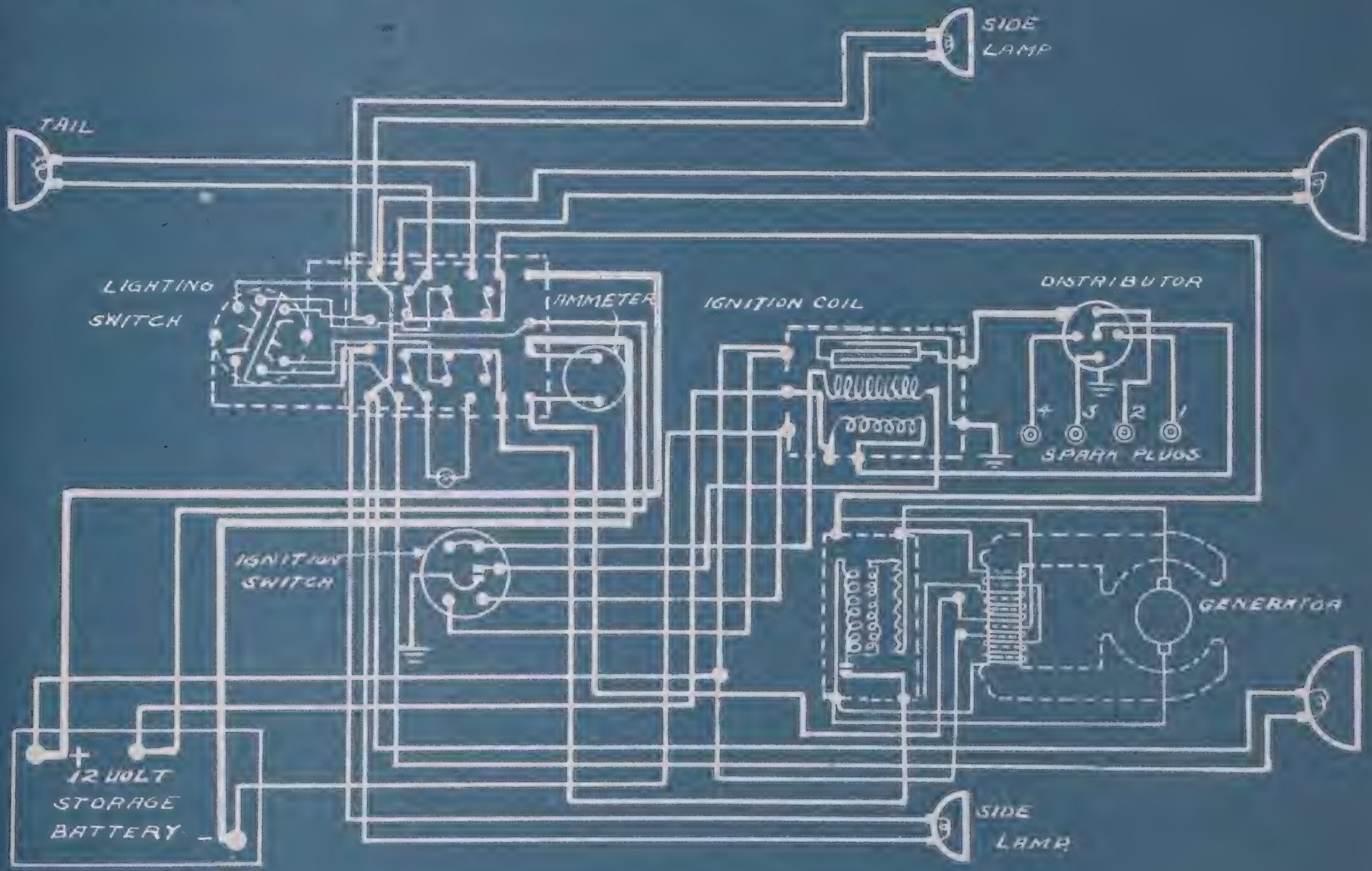
PREMIER MODEL "M" 1915

REMY SYSTEM

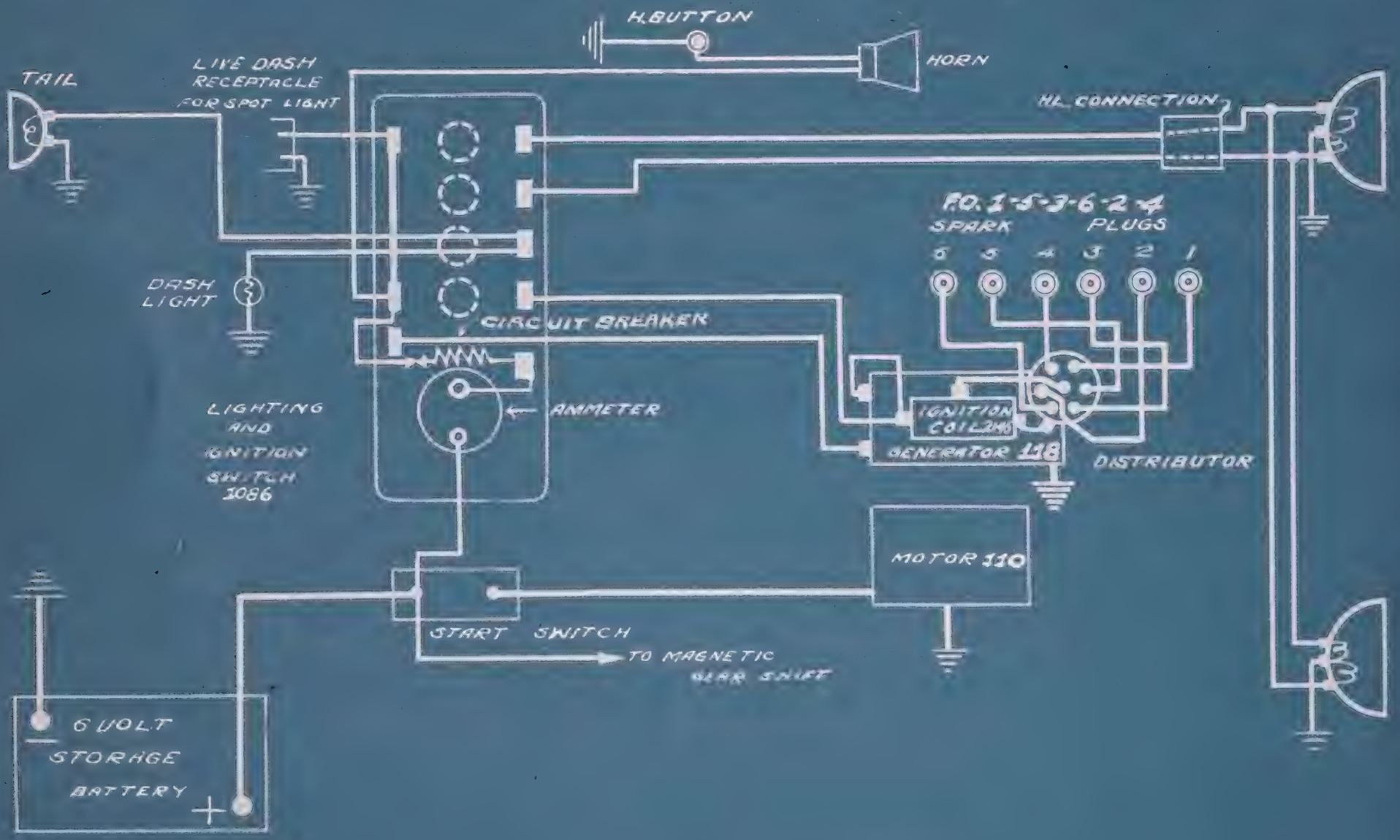


PREMIER 1915 MODEL "MJ"

REMY SYSTEM



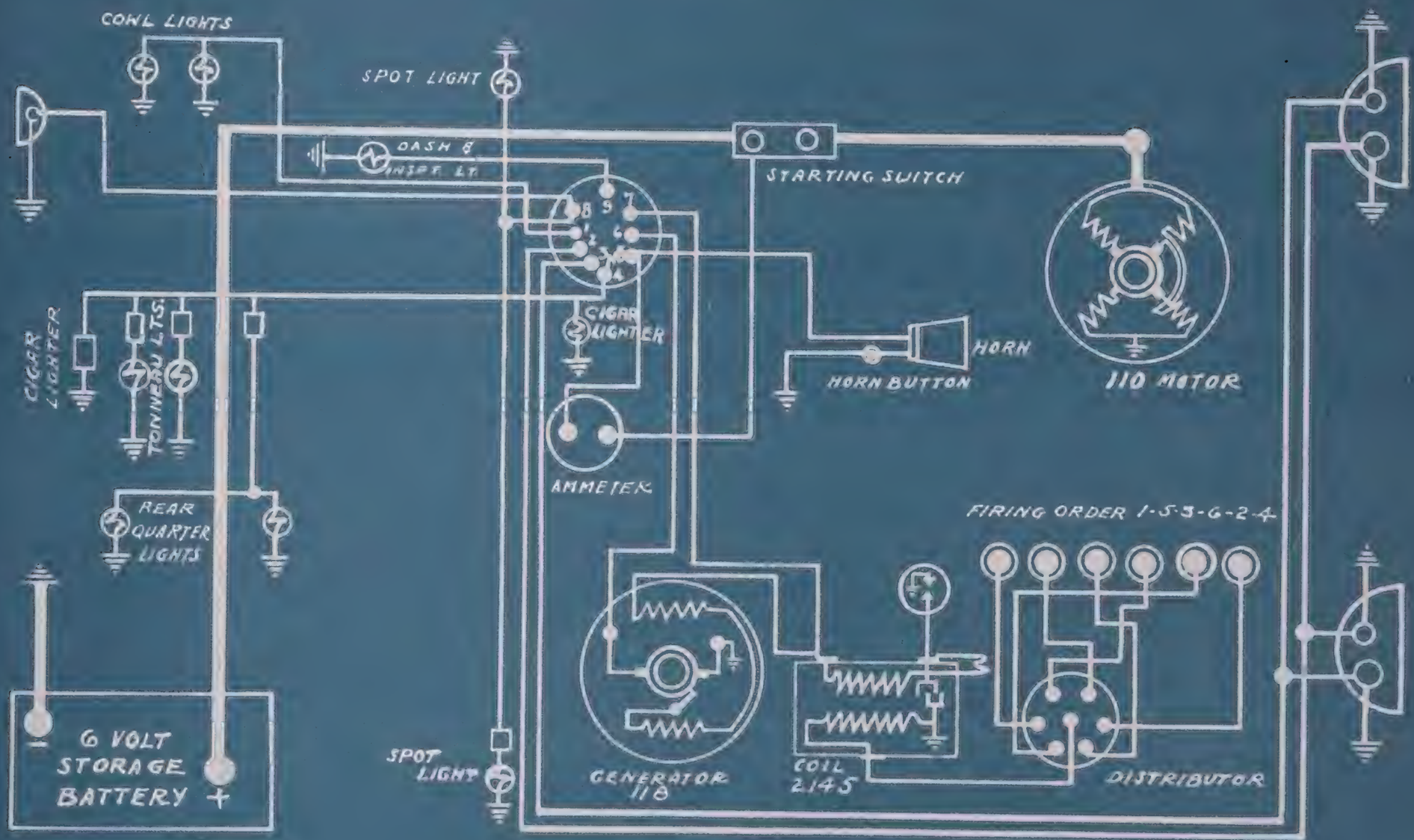
PREMIER 1917-18-19 6-B & 6-C
DELCO SYSTEM



PREMIER MODEL "6D" 1920

DELCO SYSTEM

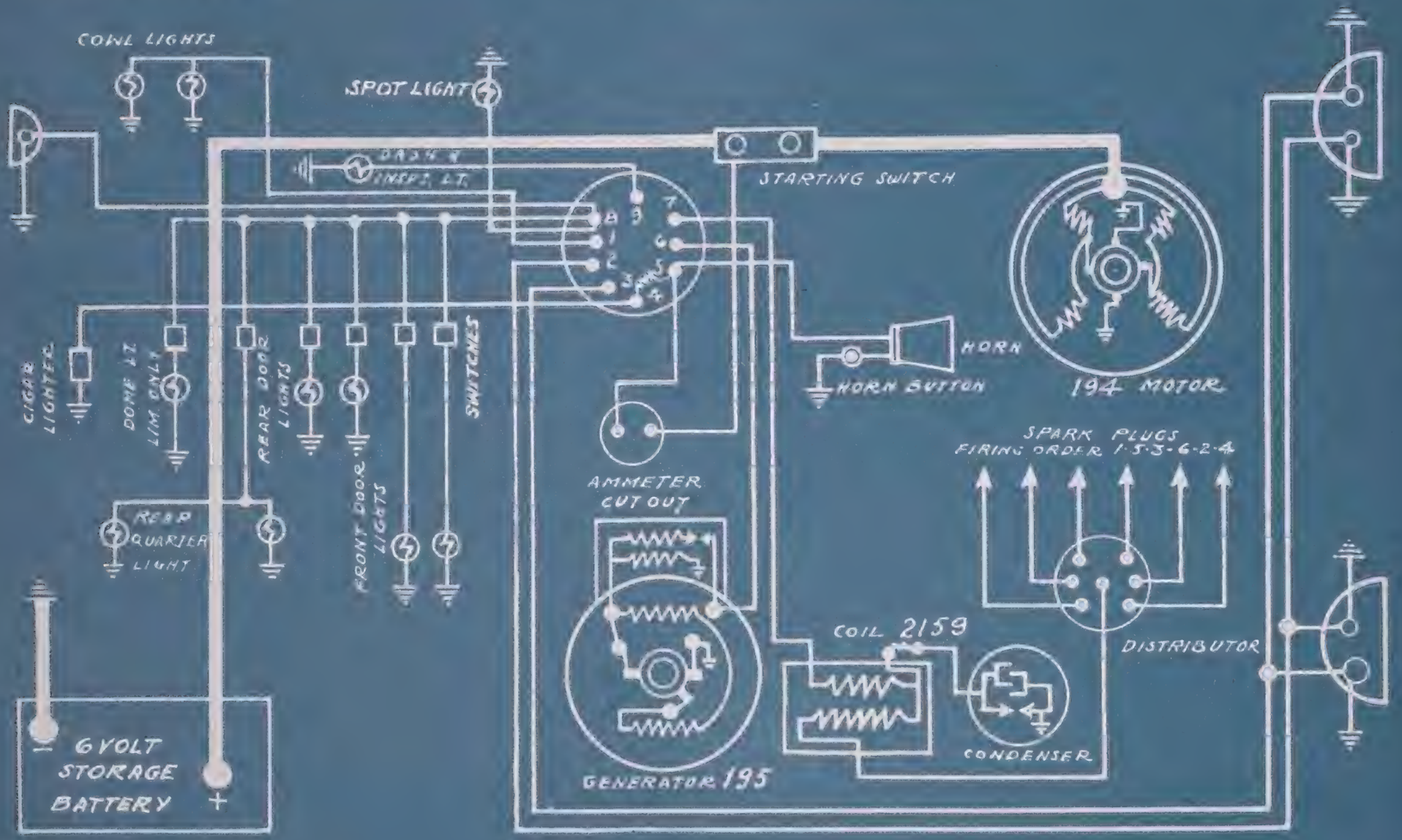
FIRST 1350 CARS



PREMIER MODEL 6D-1920-1921

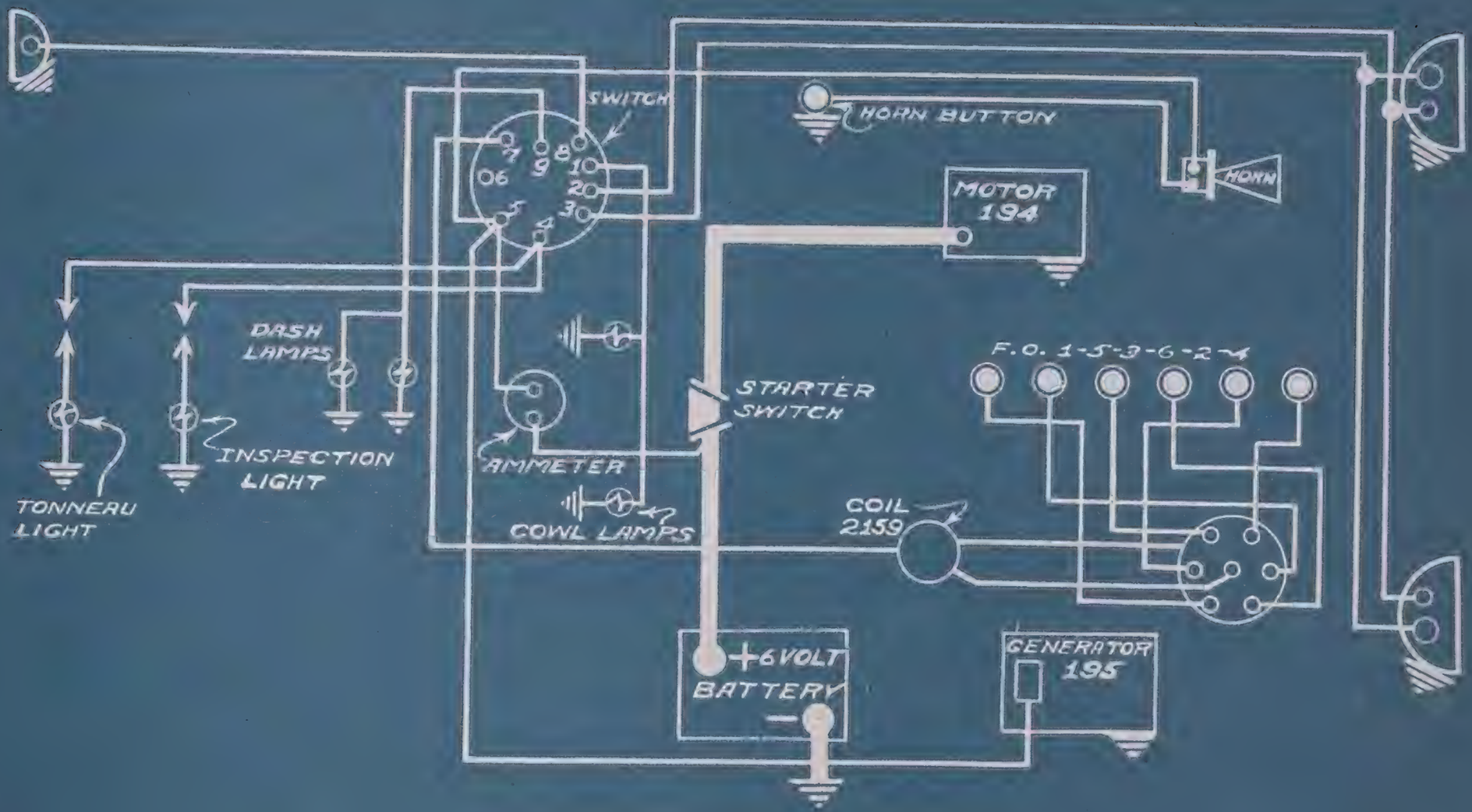
DELCO SYSTEM

AFTER 1350 CARS



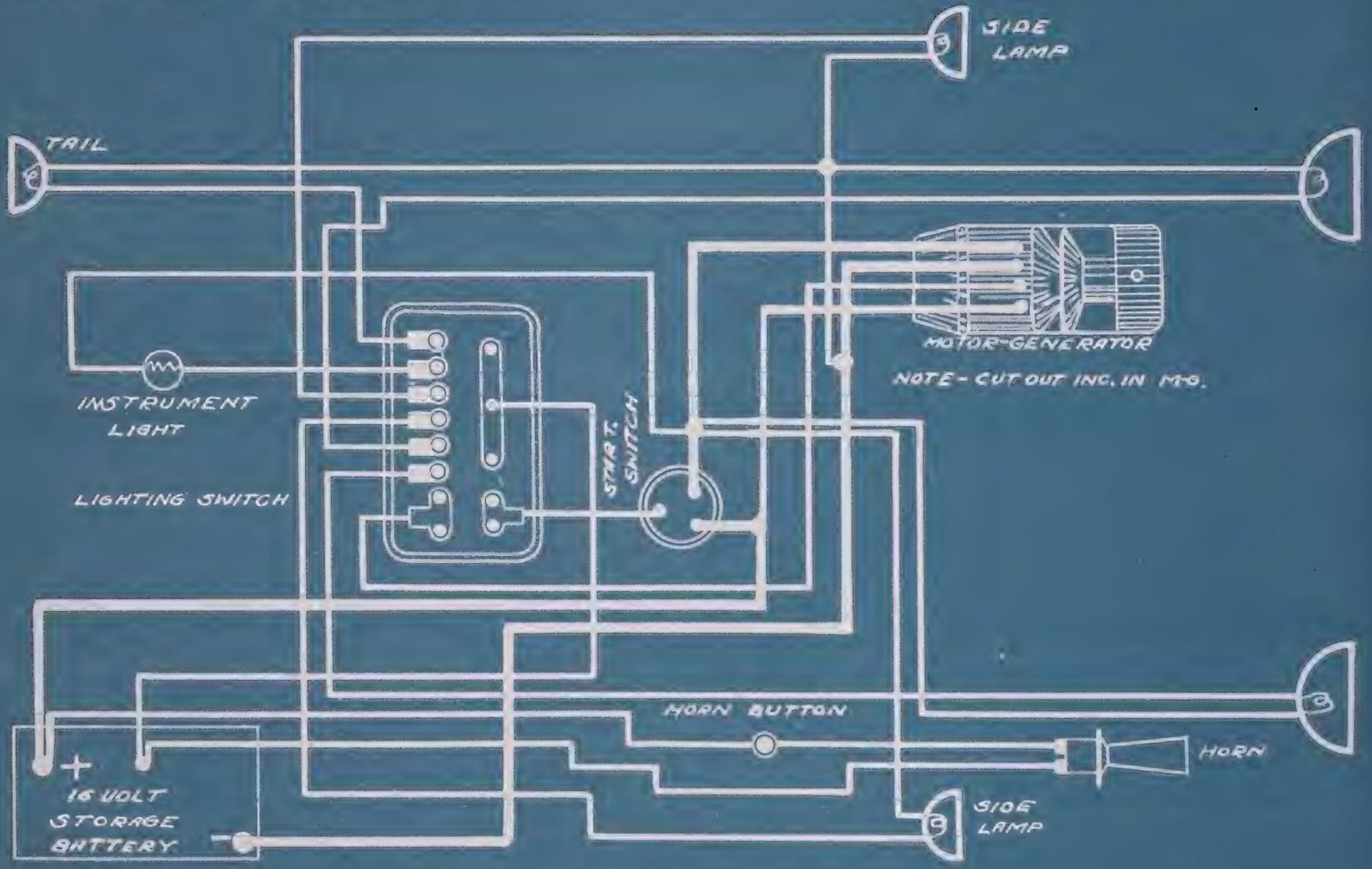
PREMIER "6D" 1922

DELCO SYSTEM

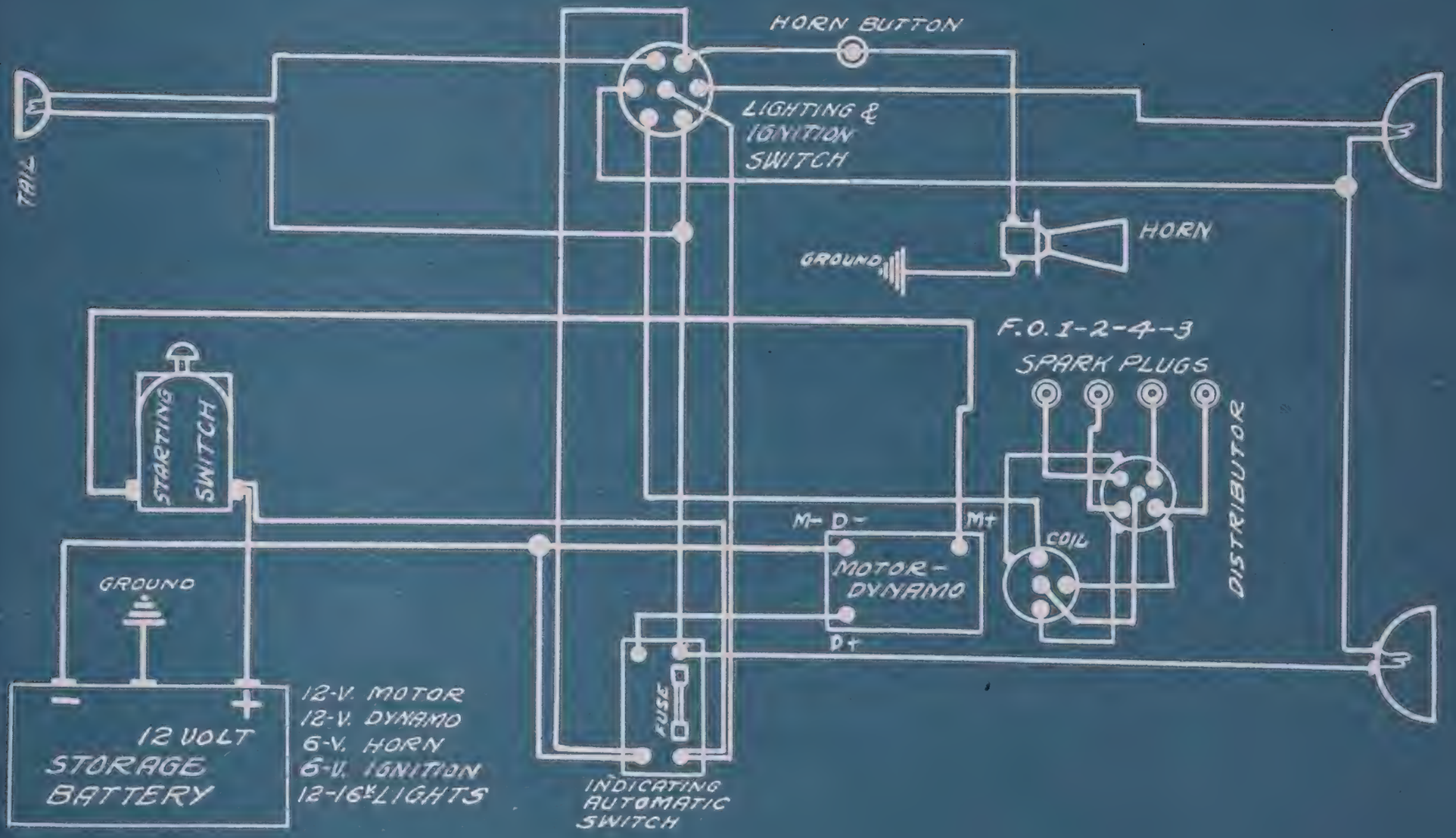


PULLMAN 1913

NORTH EAST SYSTEM

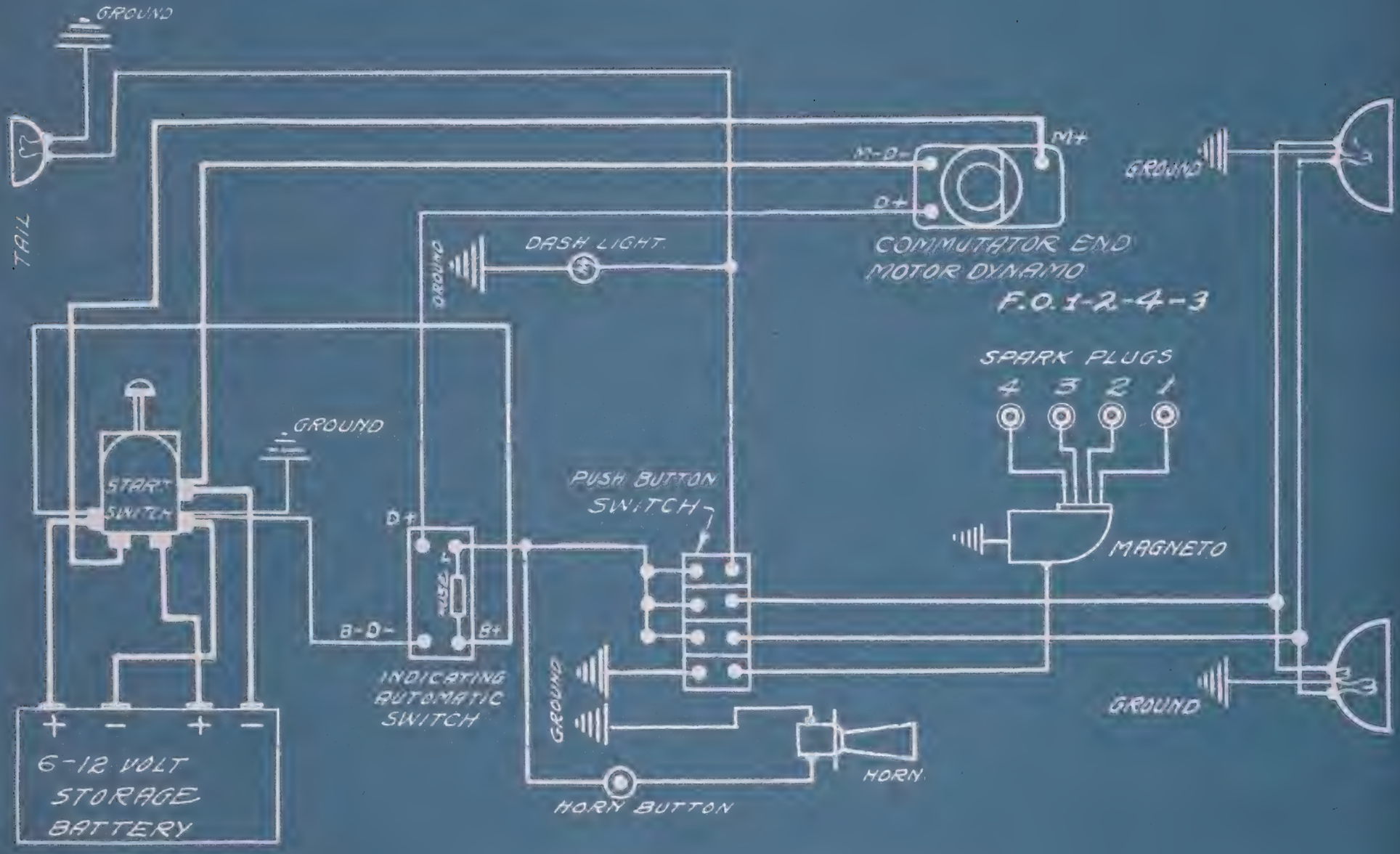


PULLMAN 1915
SPLITDORF-APELCO SYSTEM

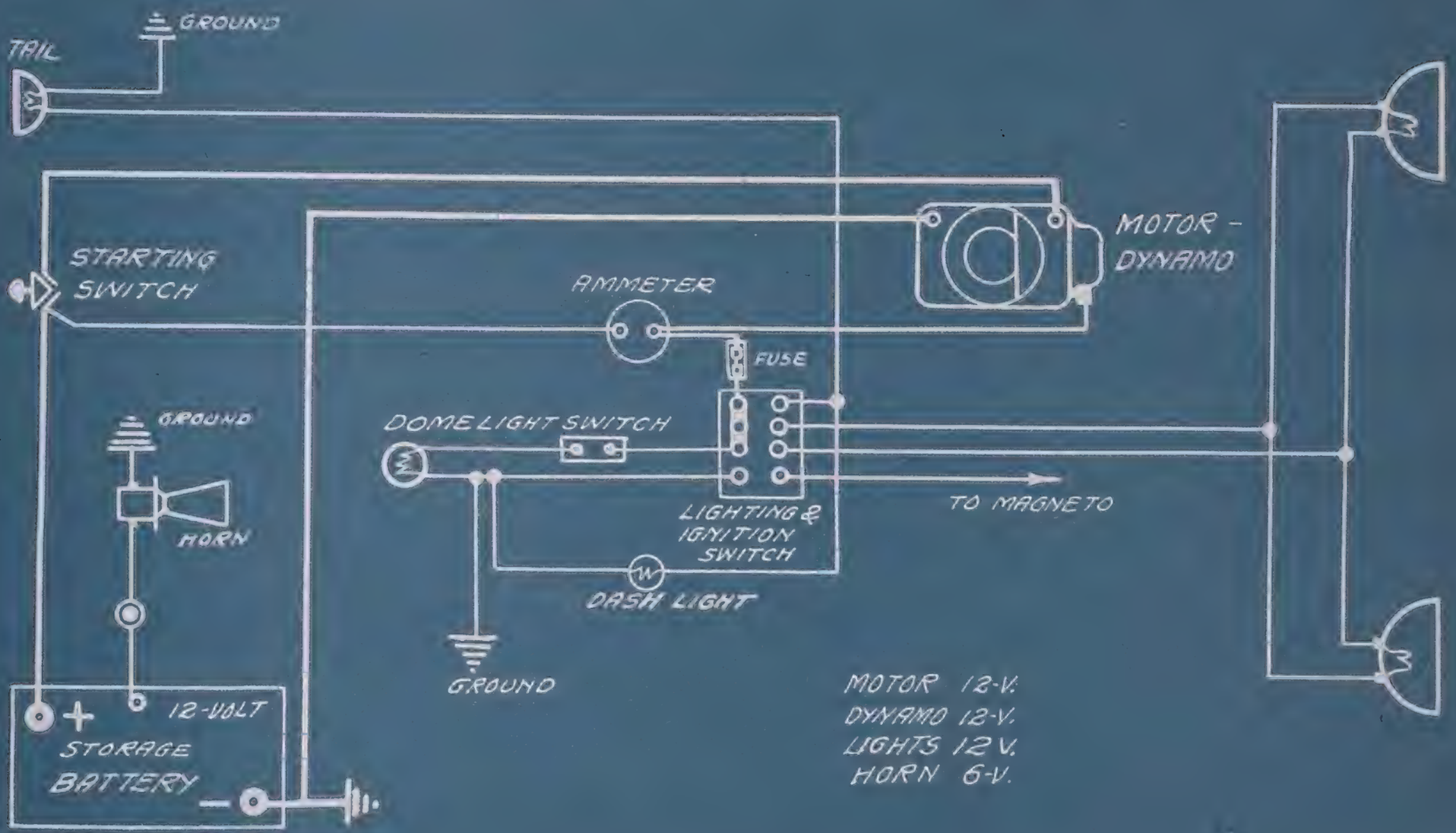


PULLMAN 1916

SPLITDORF-APELCO SYSTEM

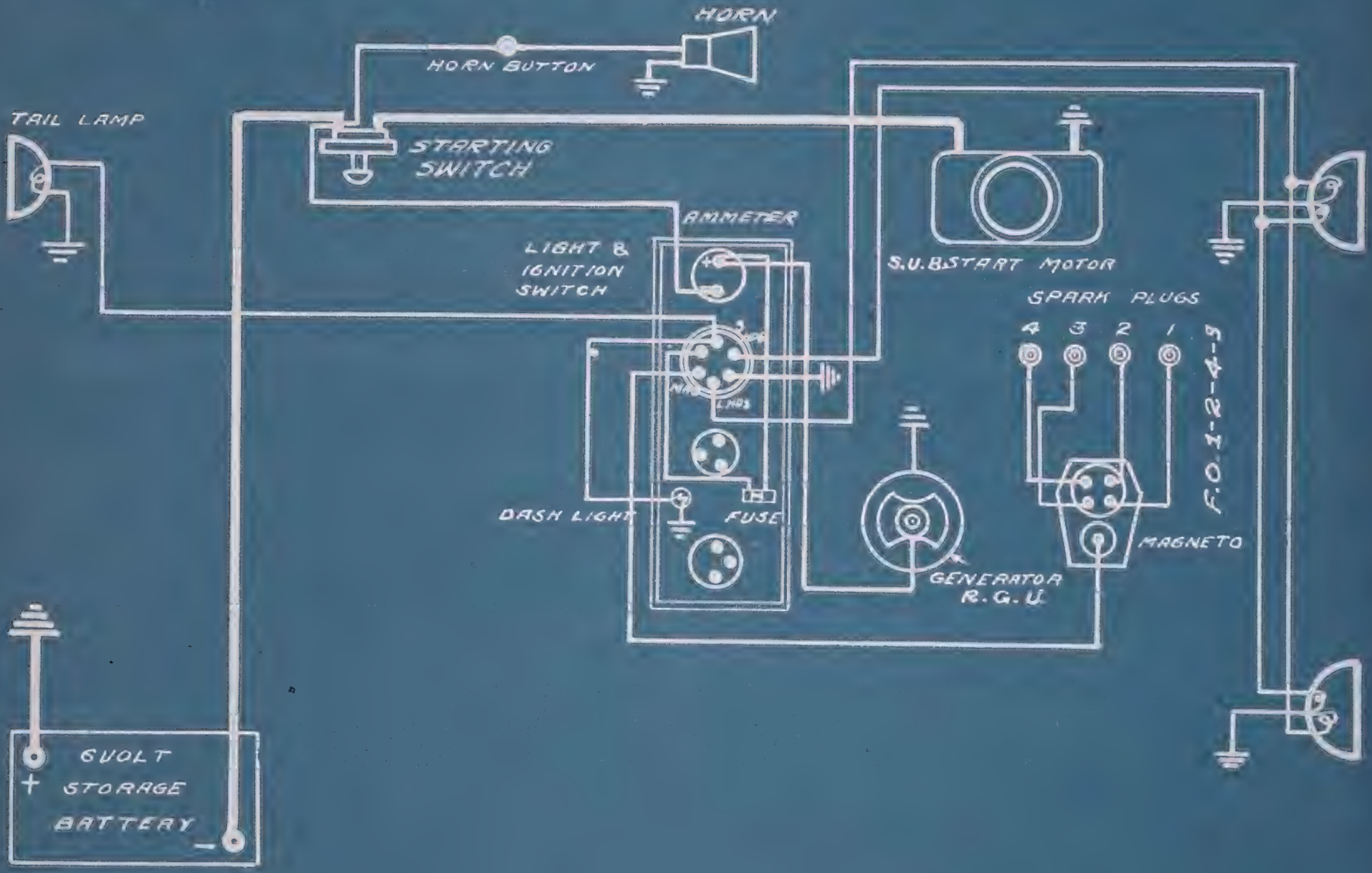


PULLMAN 1916
SPLITDORF-APELCO SYSTEM



PULLMAN MODEL-434 1917

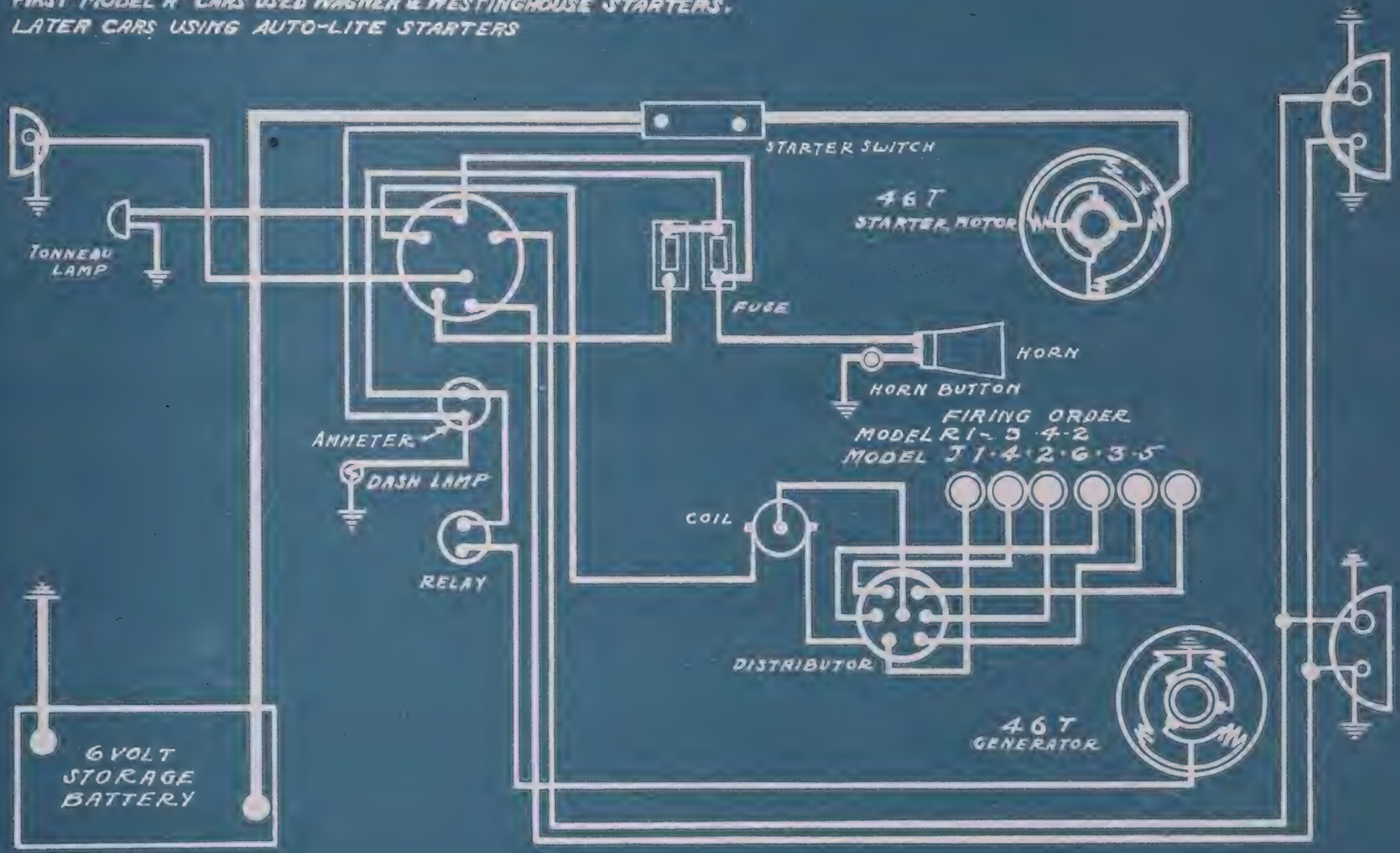
SPLITDORF SYSTEM



R & V KNIGHT 1920-1921 J & R 1922

WAGNER SYSTEM

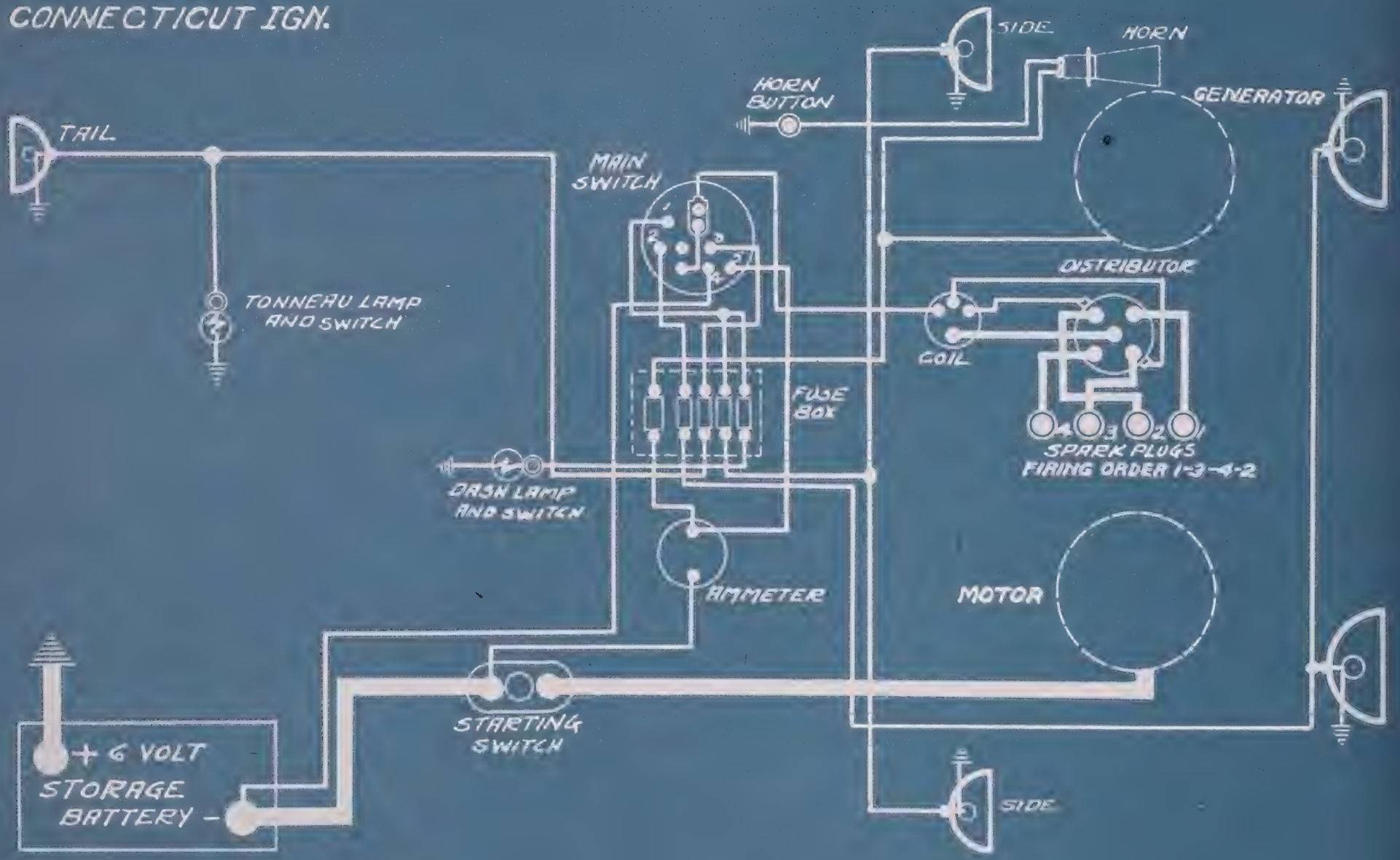
FIRST MODEL "R" CARS USED WAGNER & WESTINGHOUSE STARTERS.
LATER CARS USING AUTO-LITE STARTERS



RANGER B 1920-1921

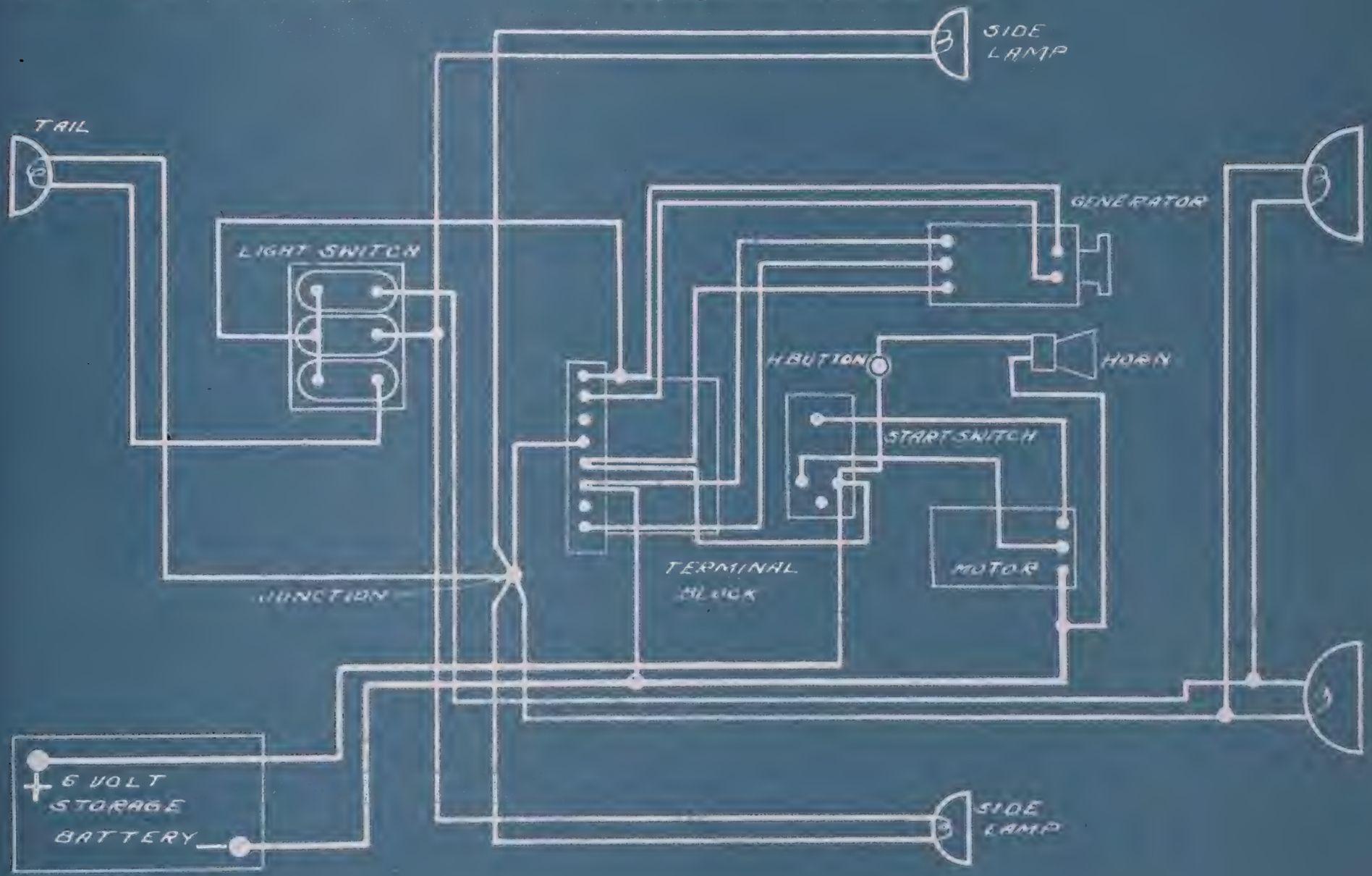
BIJUR SYSTEM

CONNECTICUT IGN.

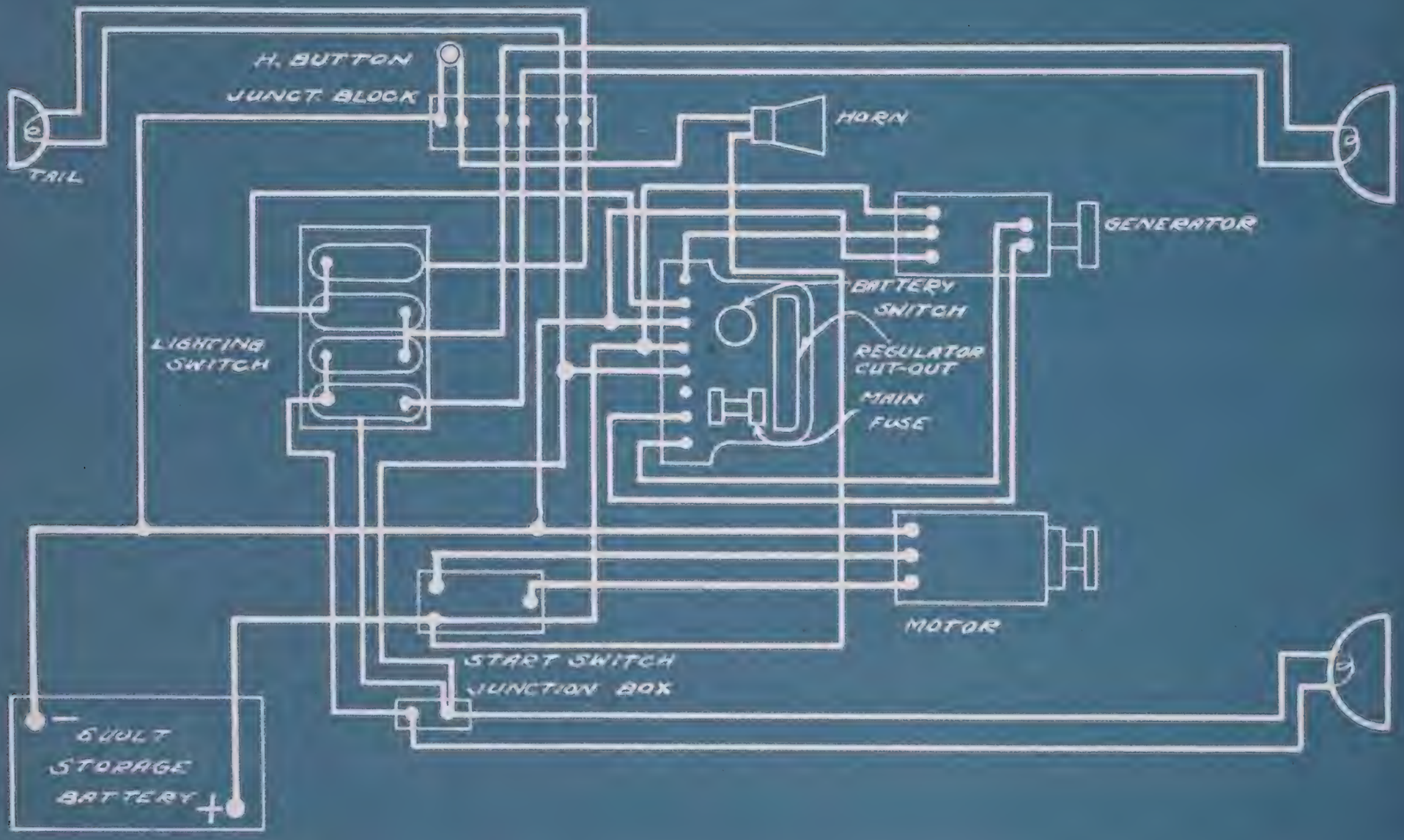


REGAL 1913-14 "N"

KUSHMORE SYSTEM UNDERSLUNG ROADSTER

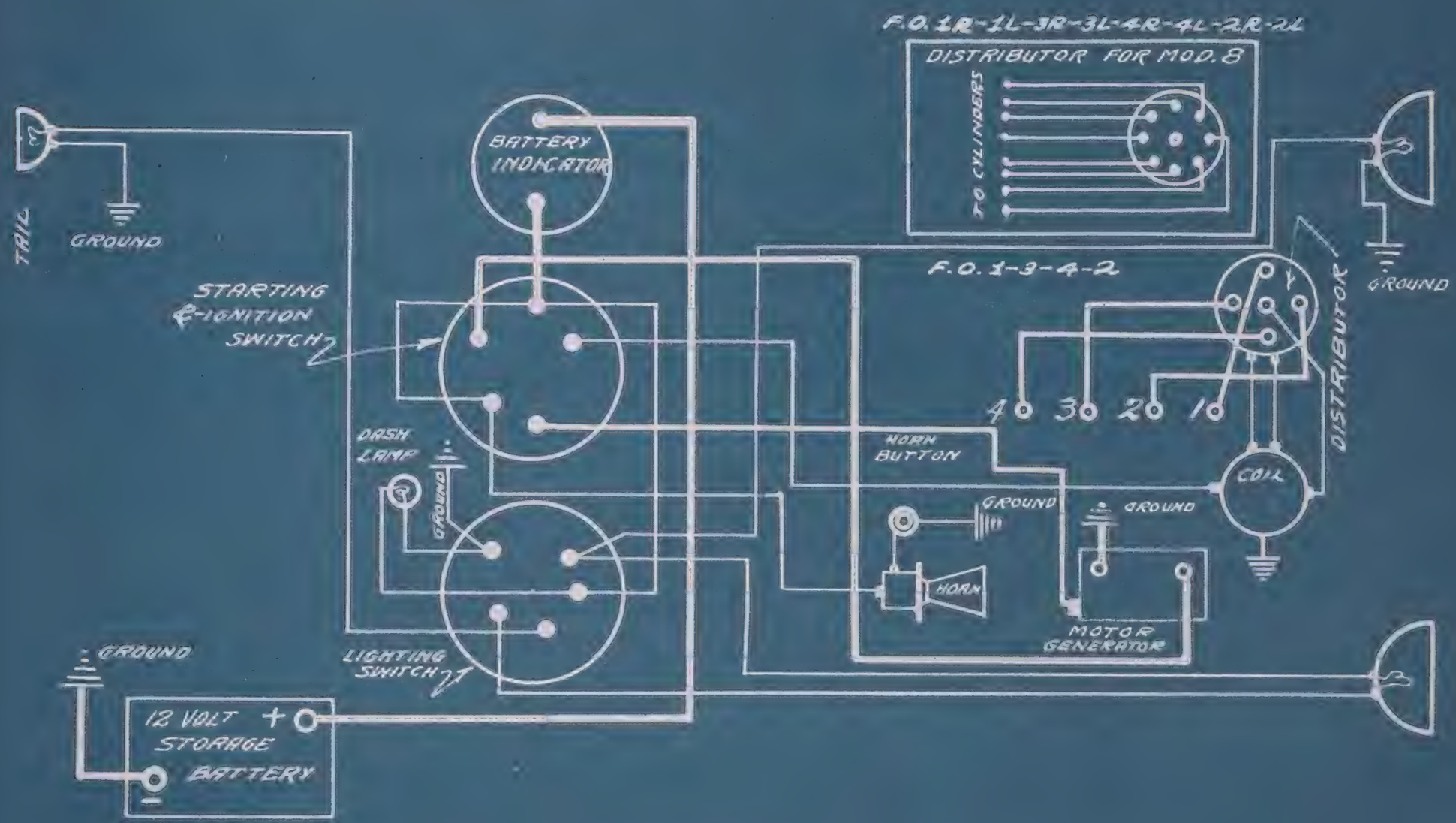


REGAL 1914 MODEL "C"
RUSHMORE SYSTEM



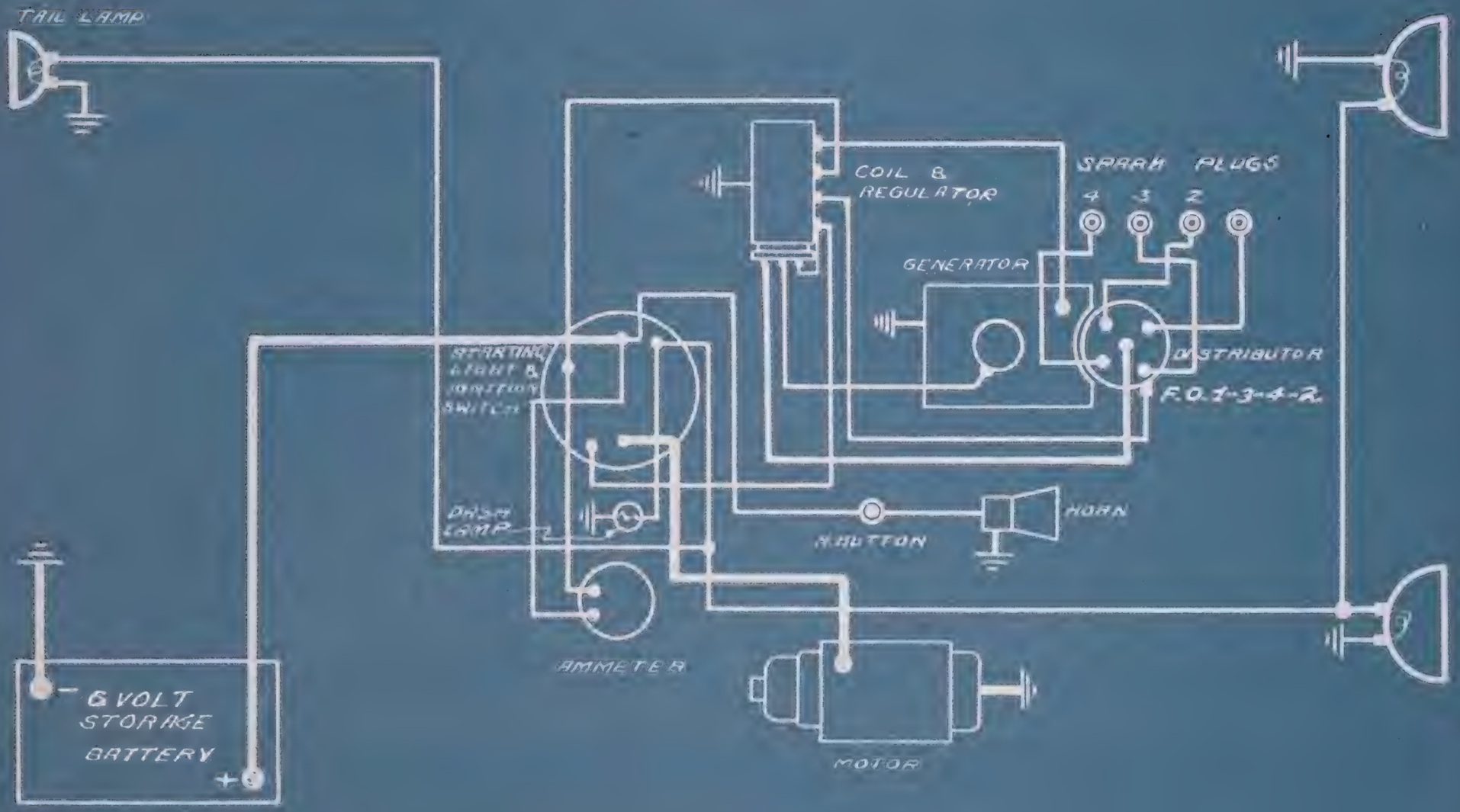
REGAL - 1915-1916-1917 4 & 8

DYNETO & CONNECTICUT SYSTEMS COMBINED



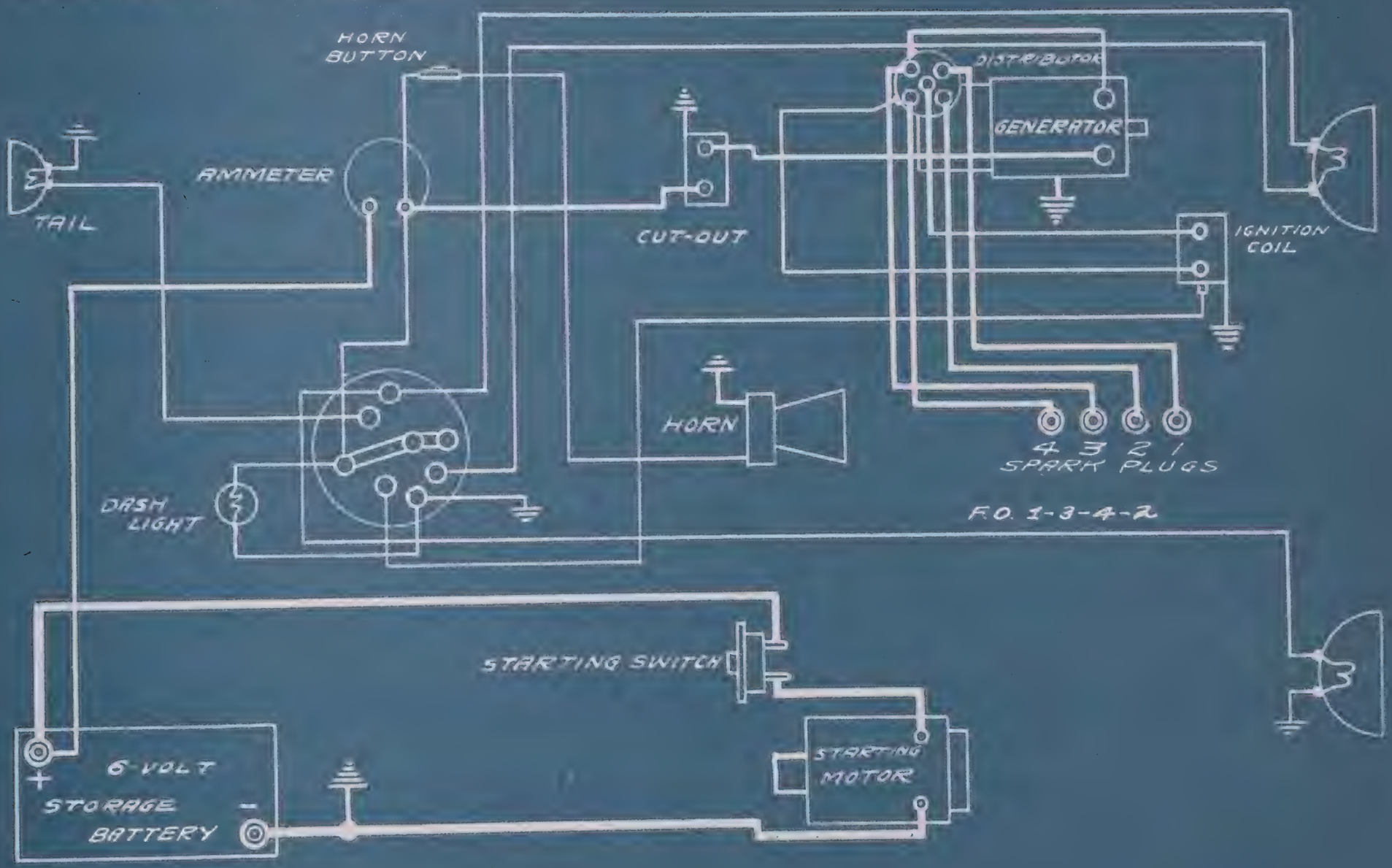
REGAL MODEL "J" 1917

HEINZE SYSTEM USED ON FIRST 1500 CARS



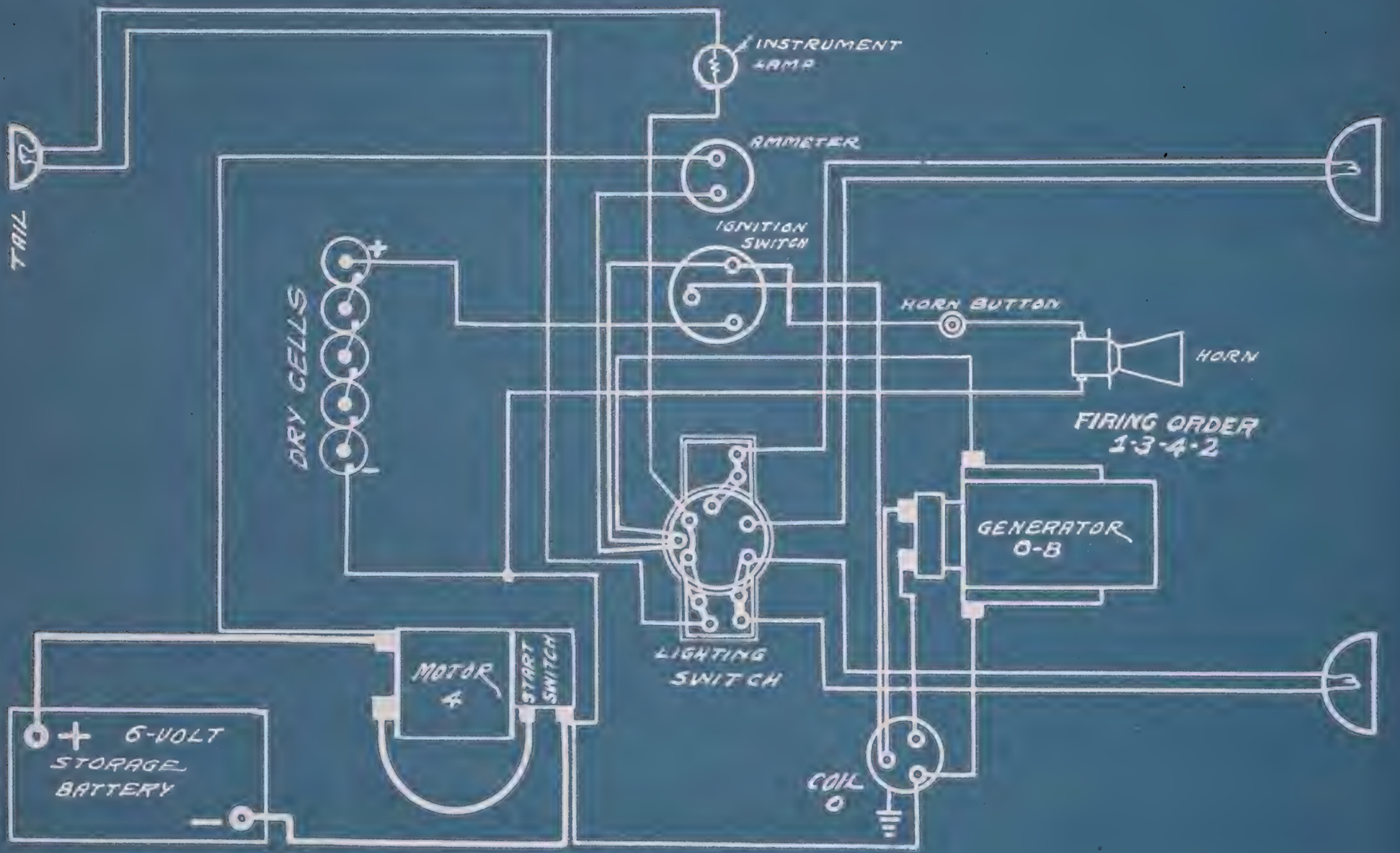
REGAL 1917-18 -J-

AUTOLITE SYSTEM
ATWATER-KENT IGNITION



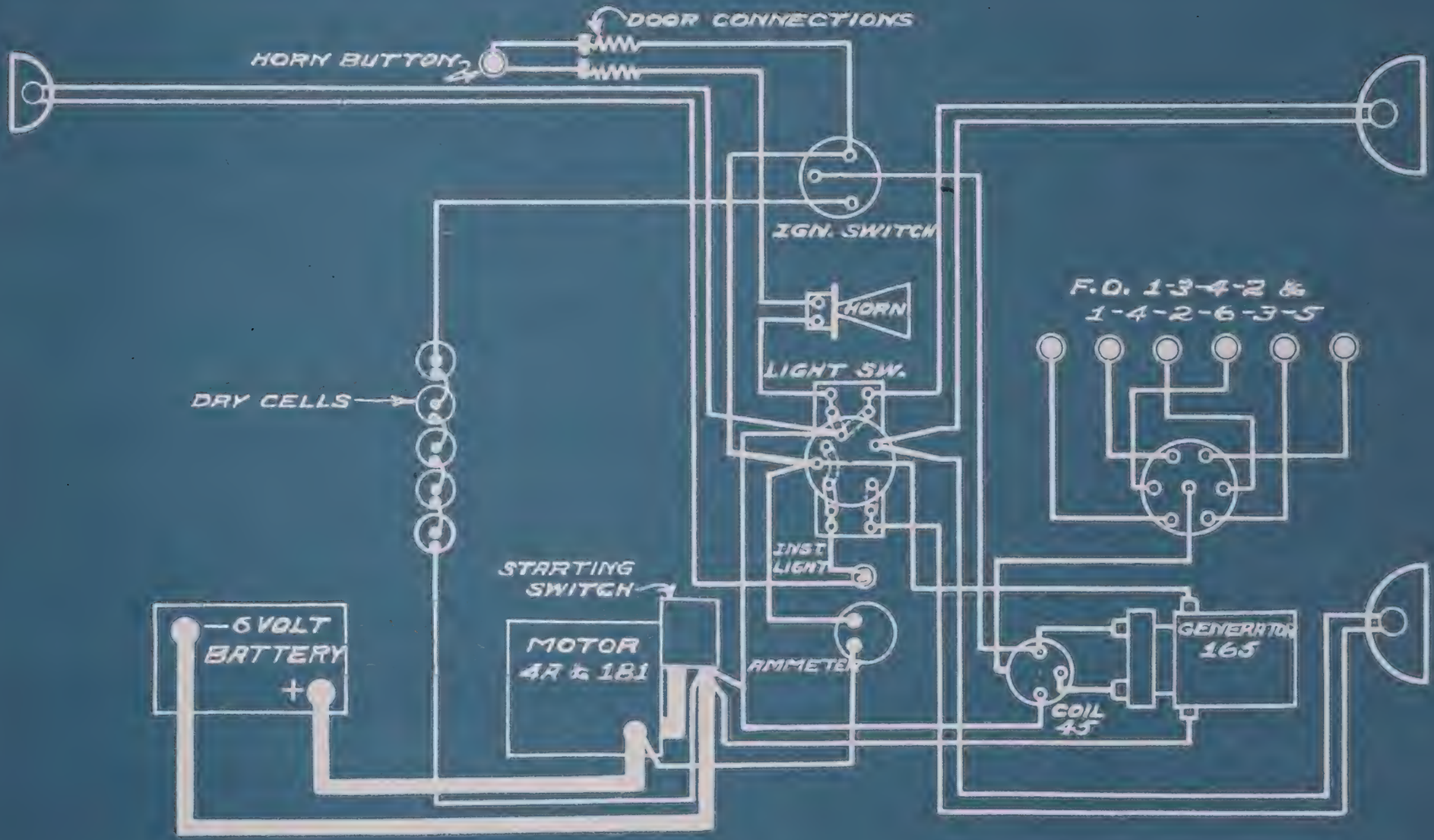
REO MODEL "R" 1914

REMY SYSTEM



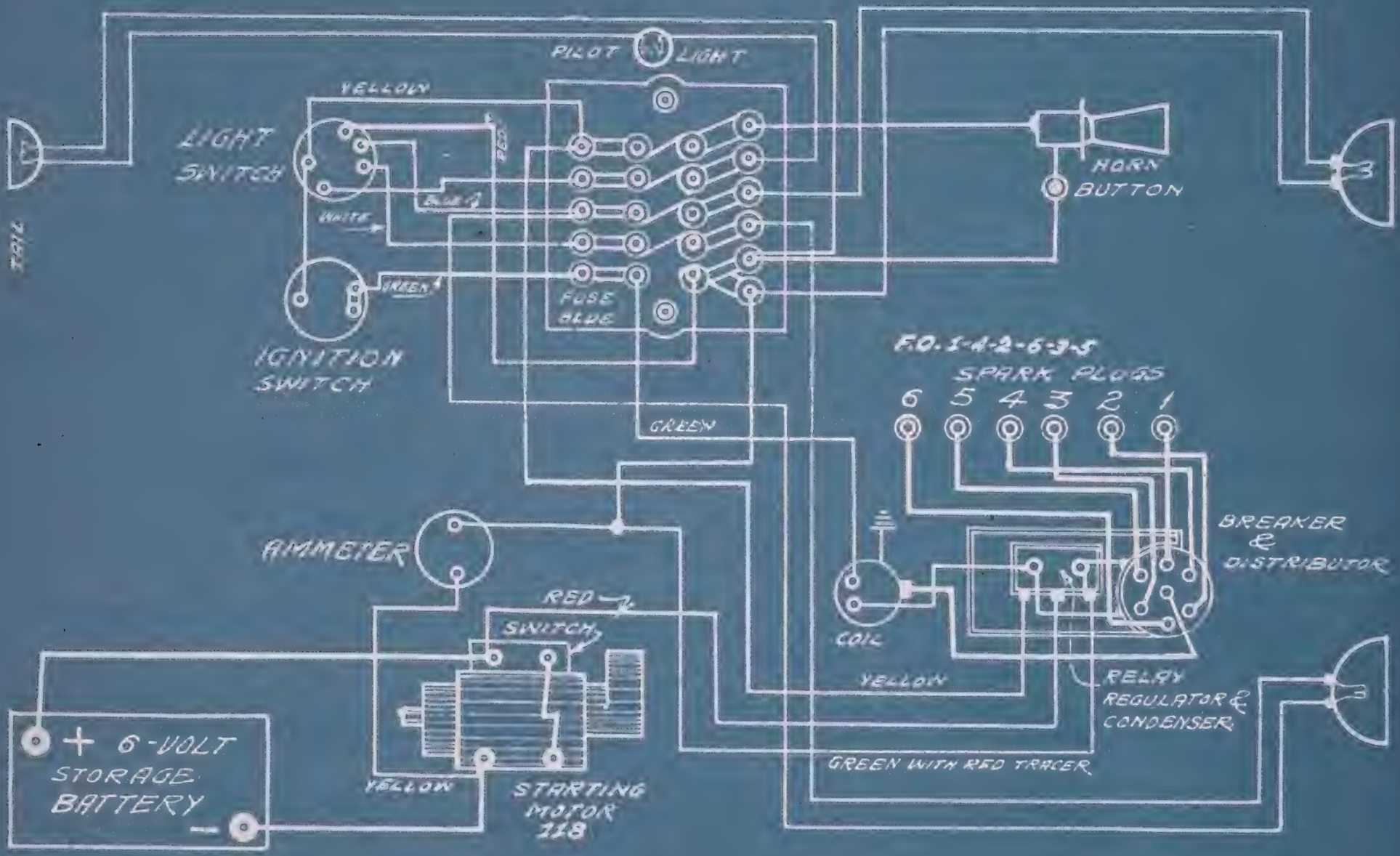
REO R&M 1915

REMY SYSTEM

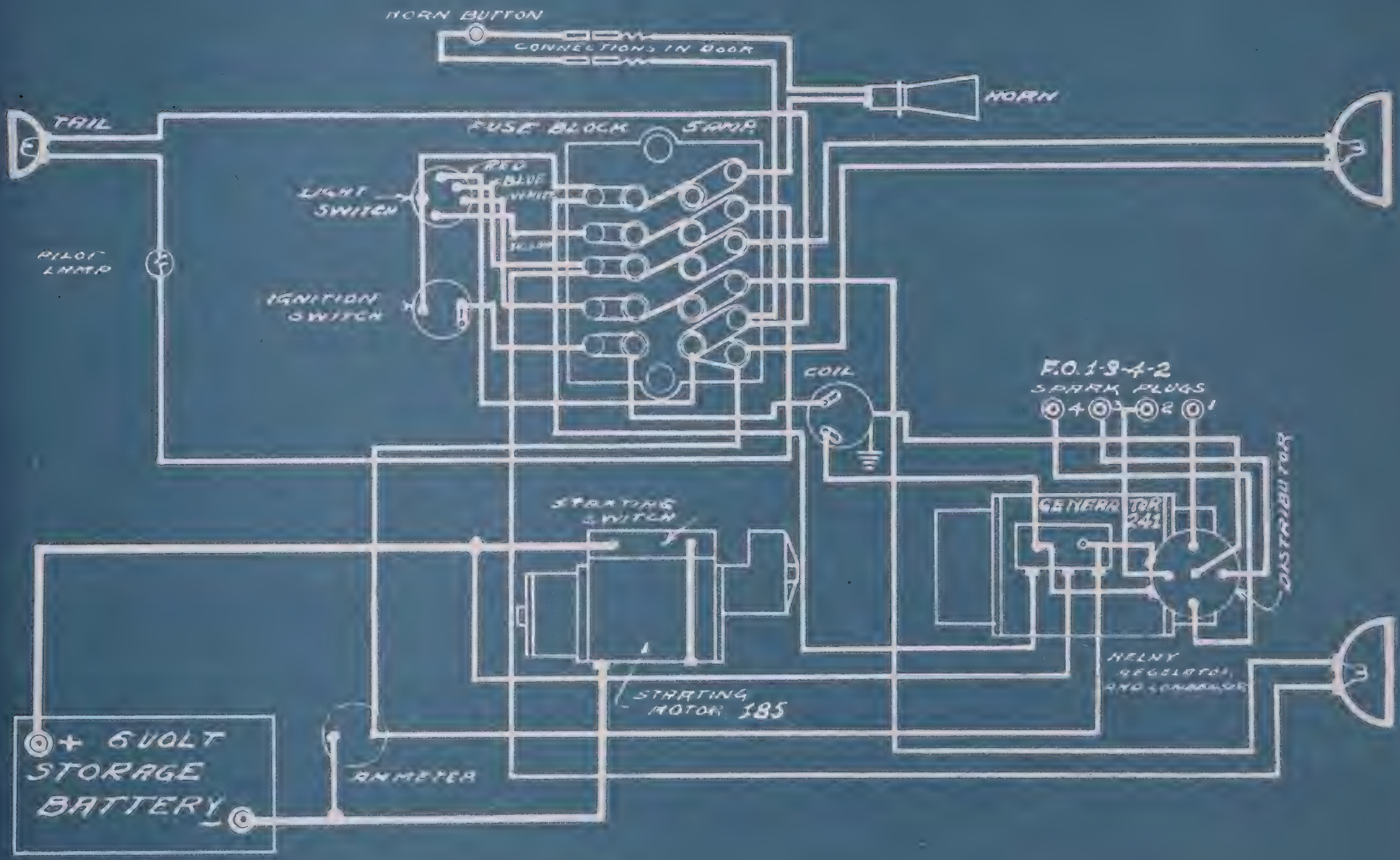


REO 1916 MODELS M & N

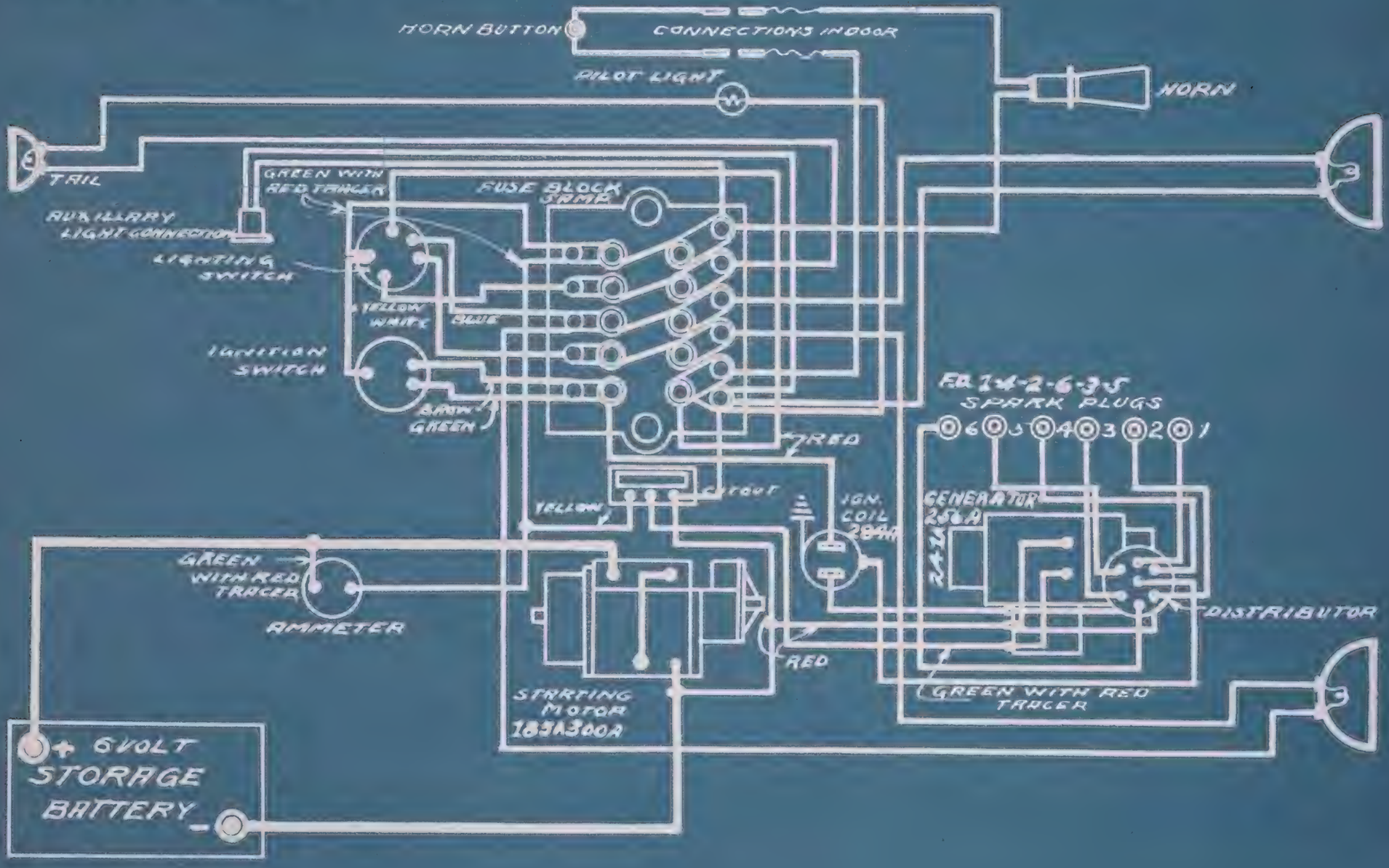
REMY SYSTEM



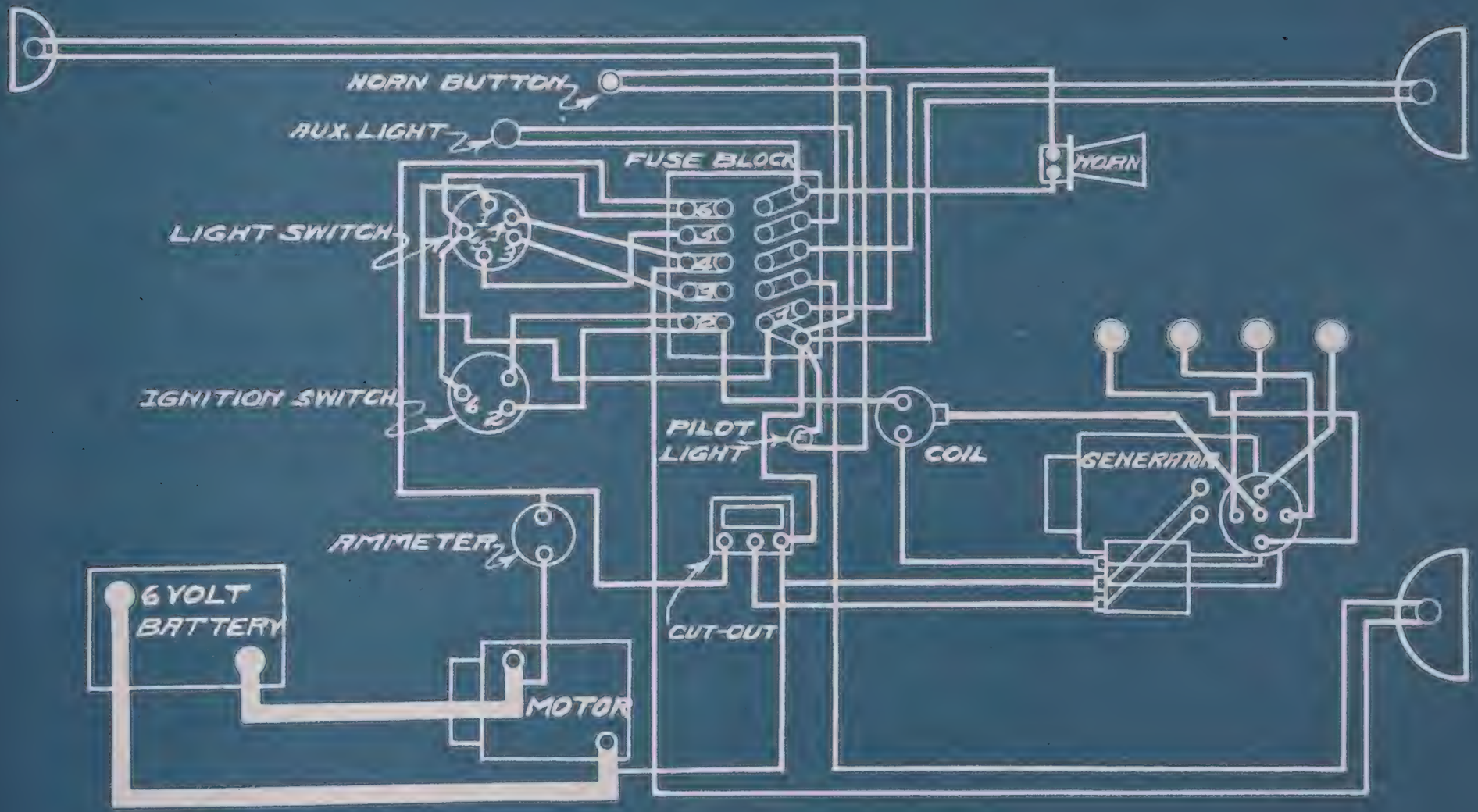
REO 1916 R & S
REMY SYSTEM



REO 1917 MODELS M-N-R & S
REMY SYSTEM

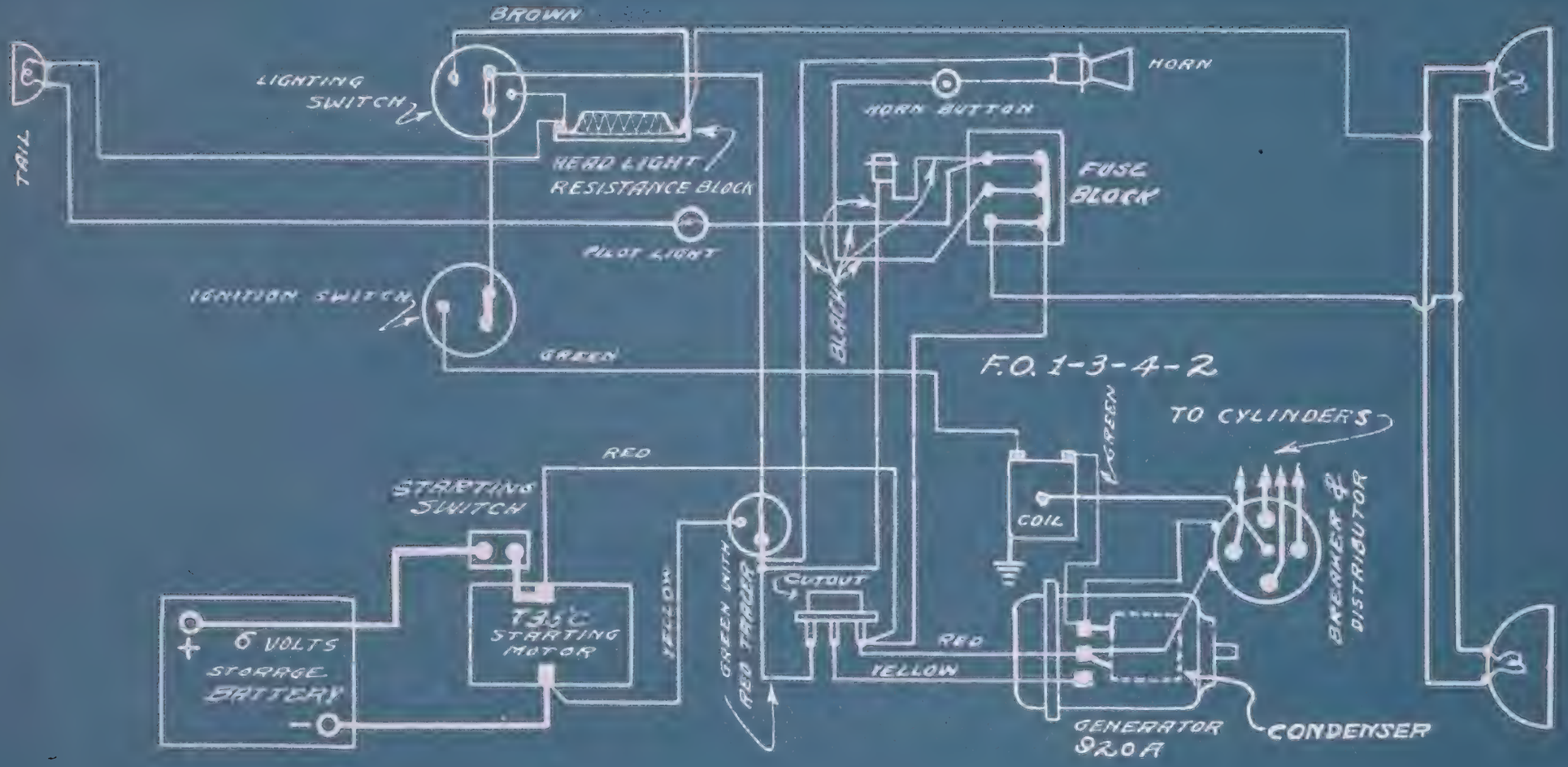


REO R-4 1917
REMY SYSTEM



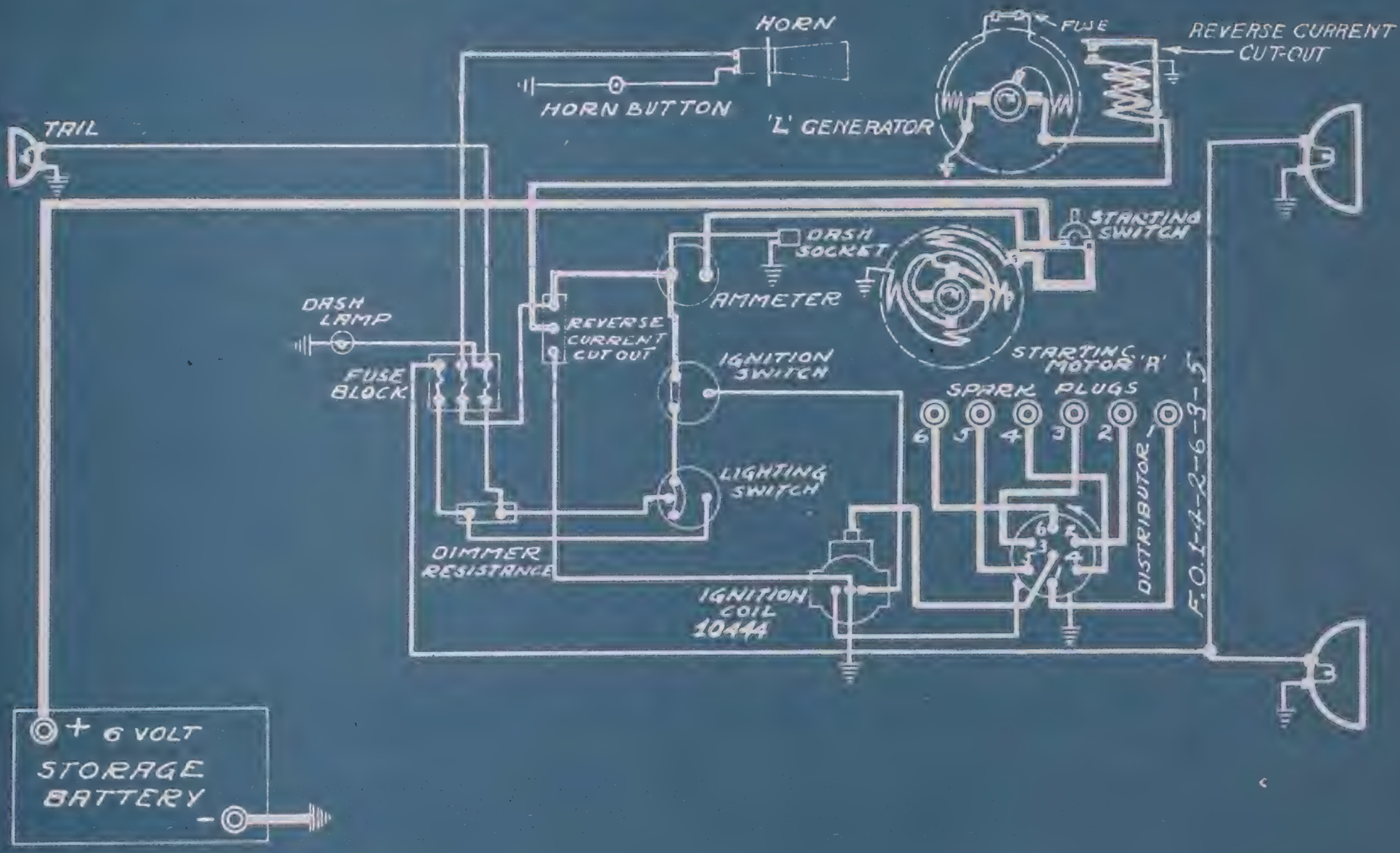
REO 1918 "T & U" 1919

REMY SYSTEM

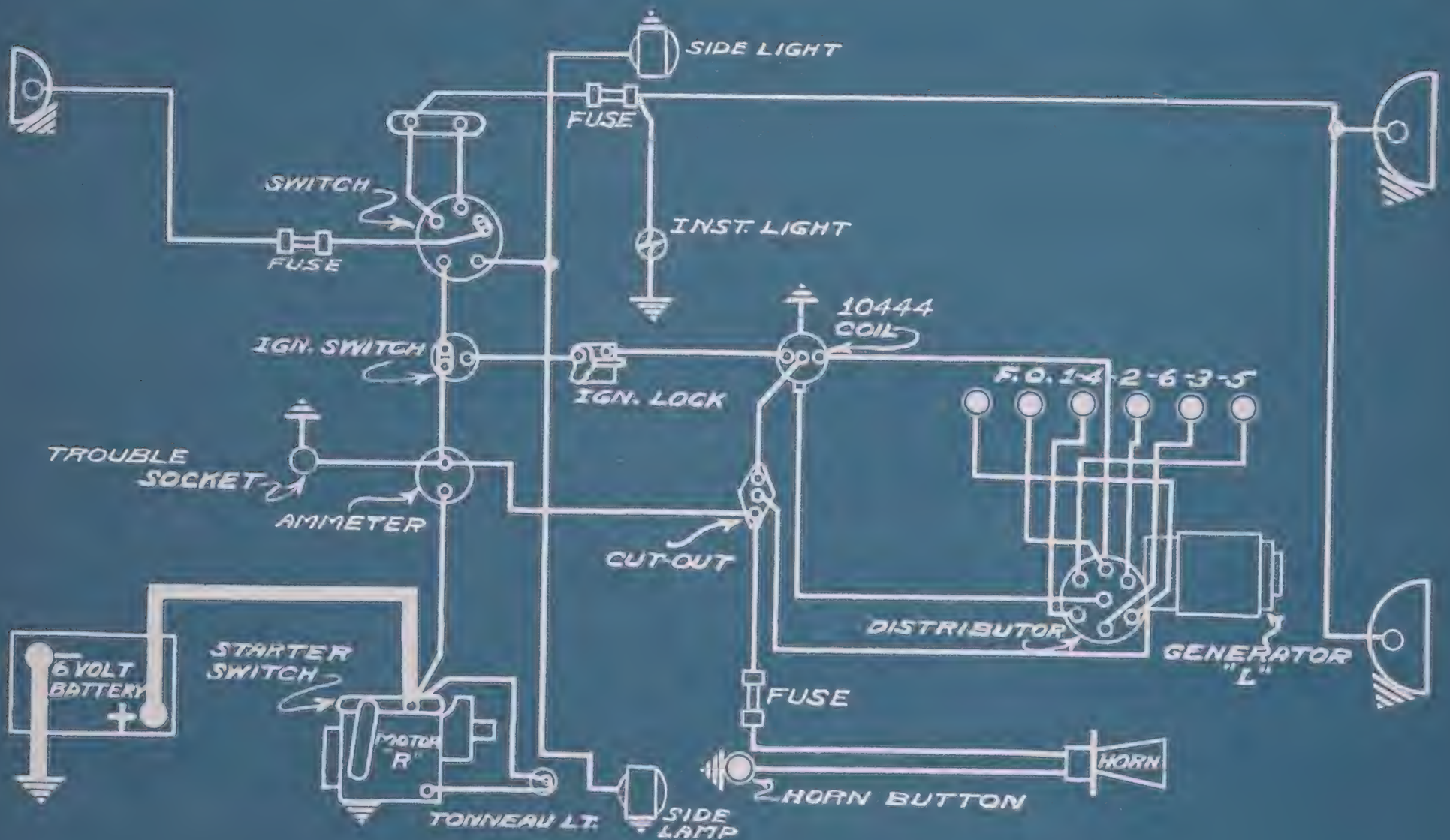


REO MODEL T6 & U6 1919-1920-1921

NORTH EAST SYSTEM

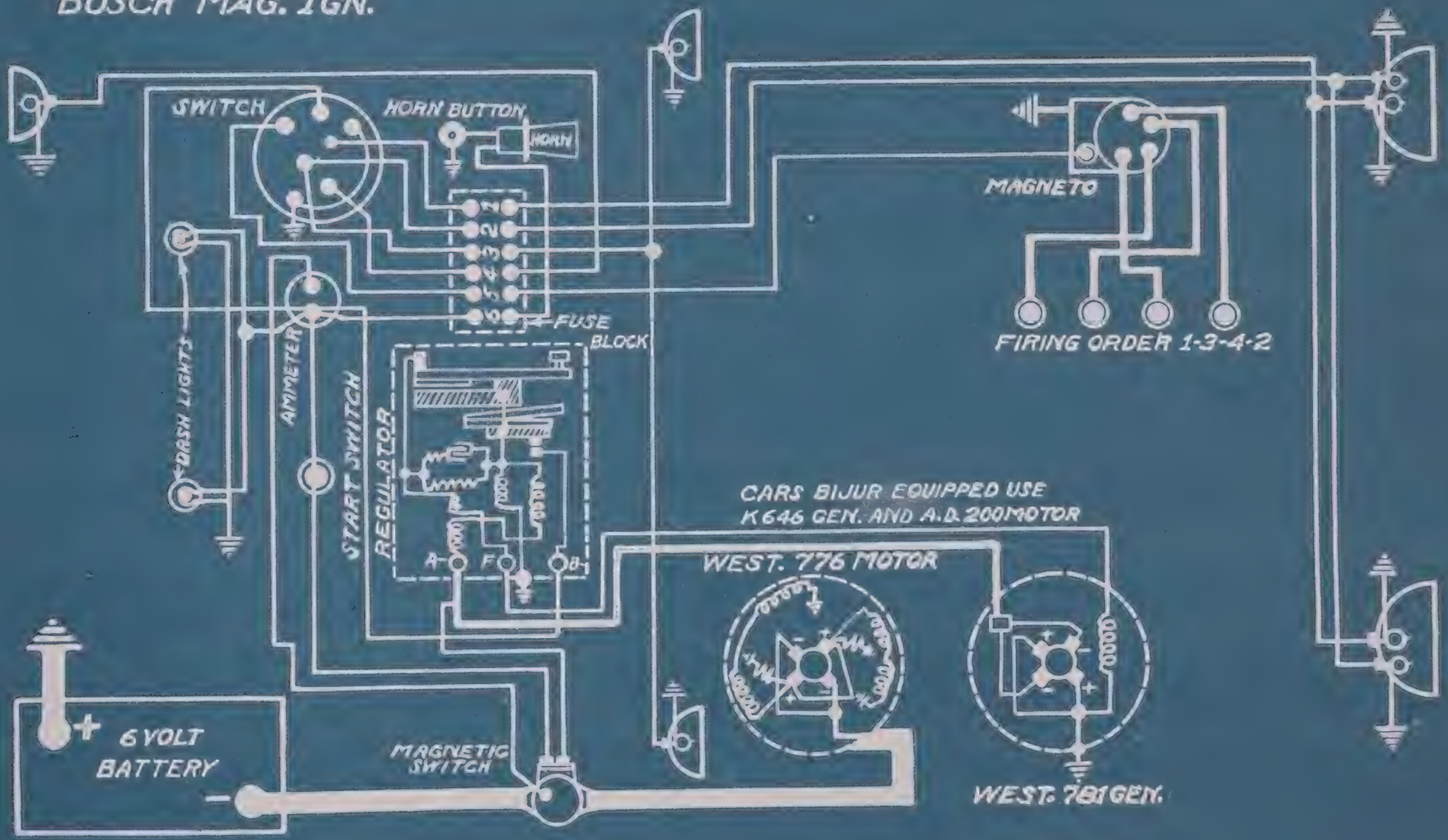


REO "T6" 1922
NORTH-EAST SYSTEM



REVERE 1919-20-21

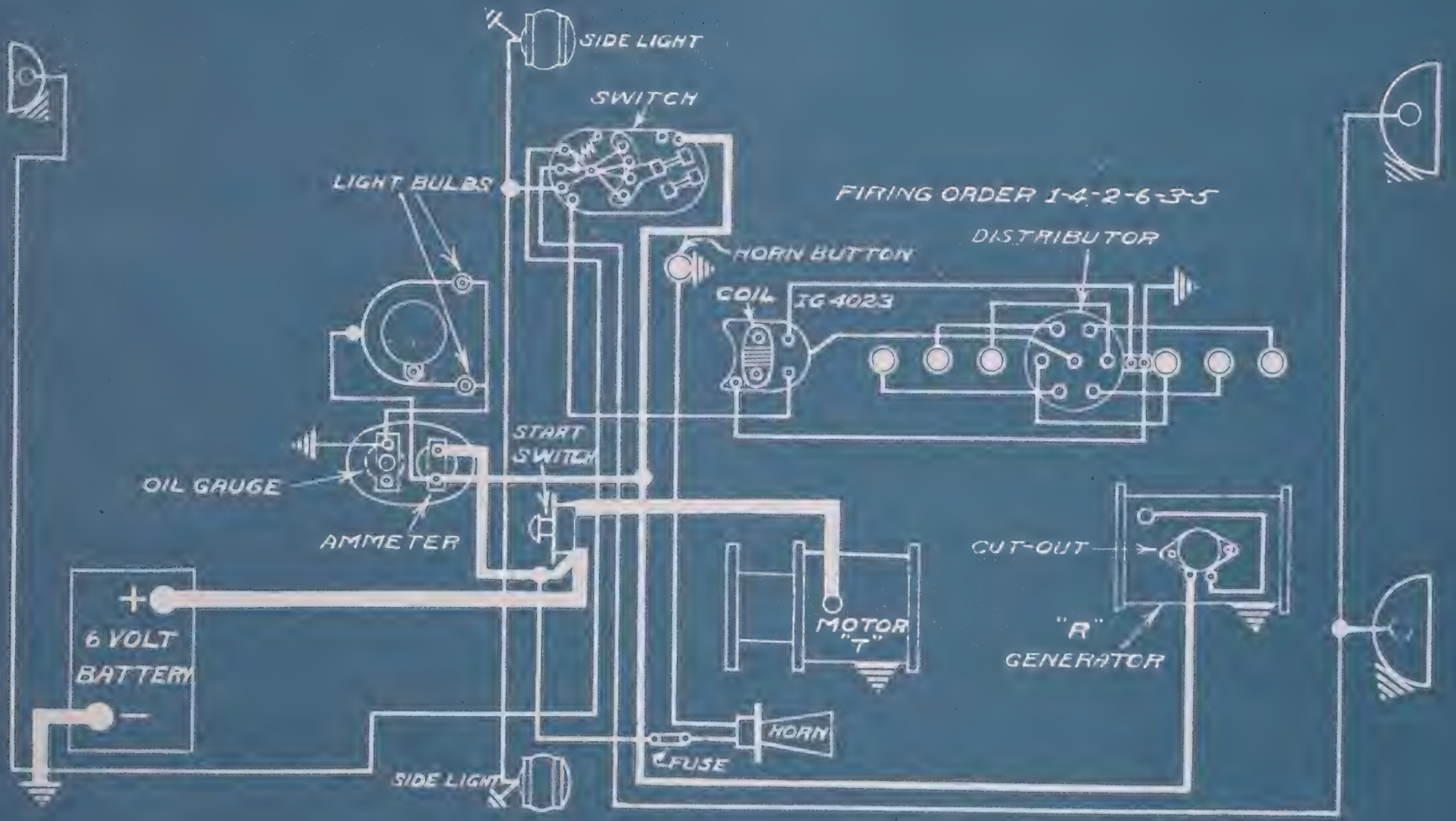
WESTINGHOUSE OR
BIJUR SYSTEM
BOSCH MAG. IGN.



RICKENBACKER "A" 1922

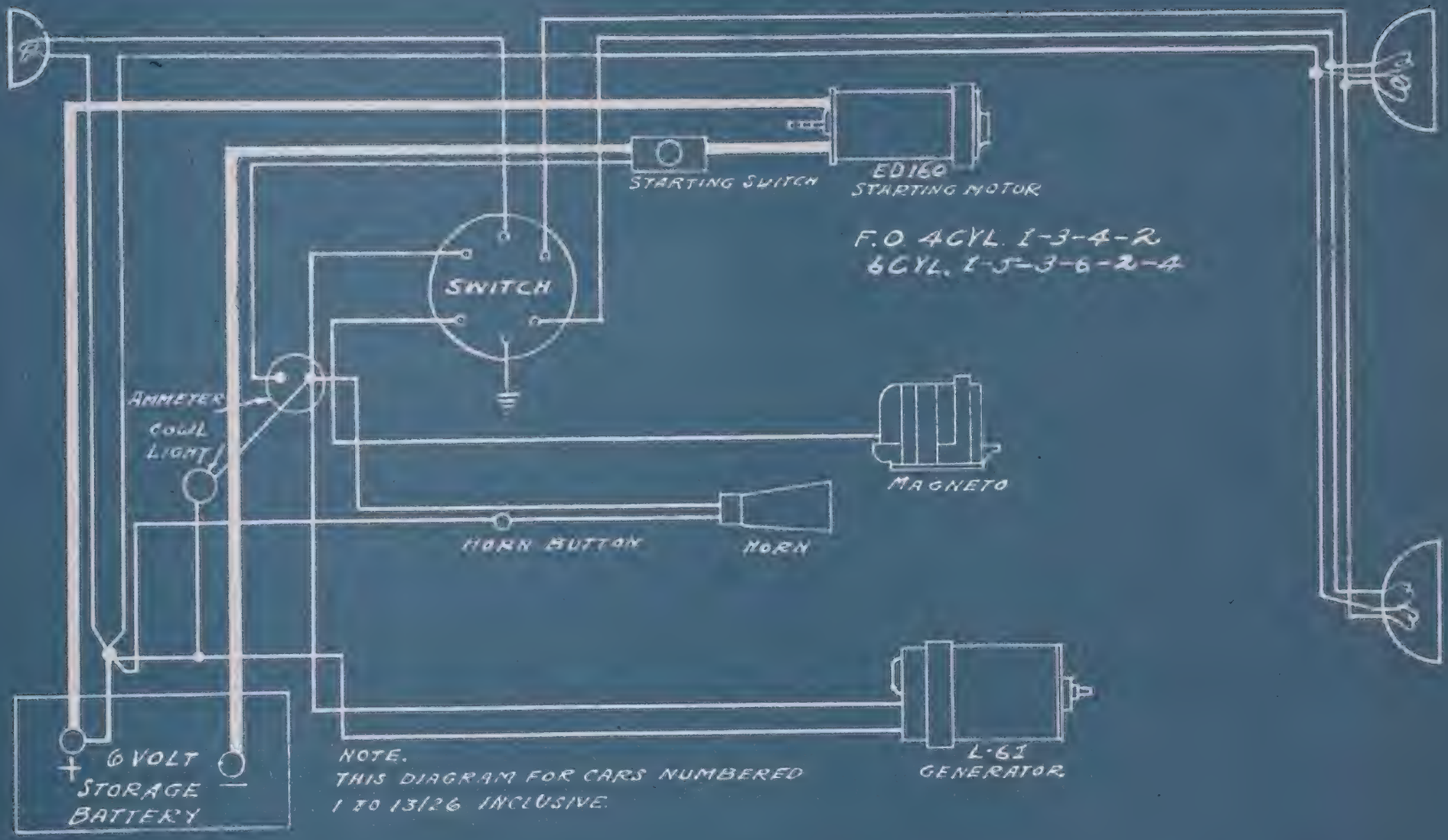
SIMMS SYSTEM

AUTO-LITE IGN.



ROAMER ALL MODELS 1916

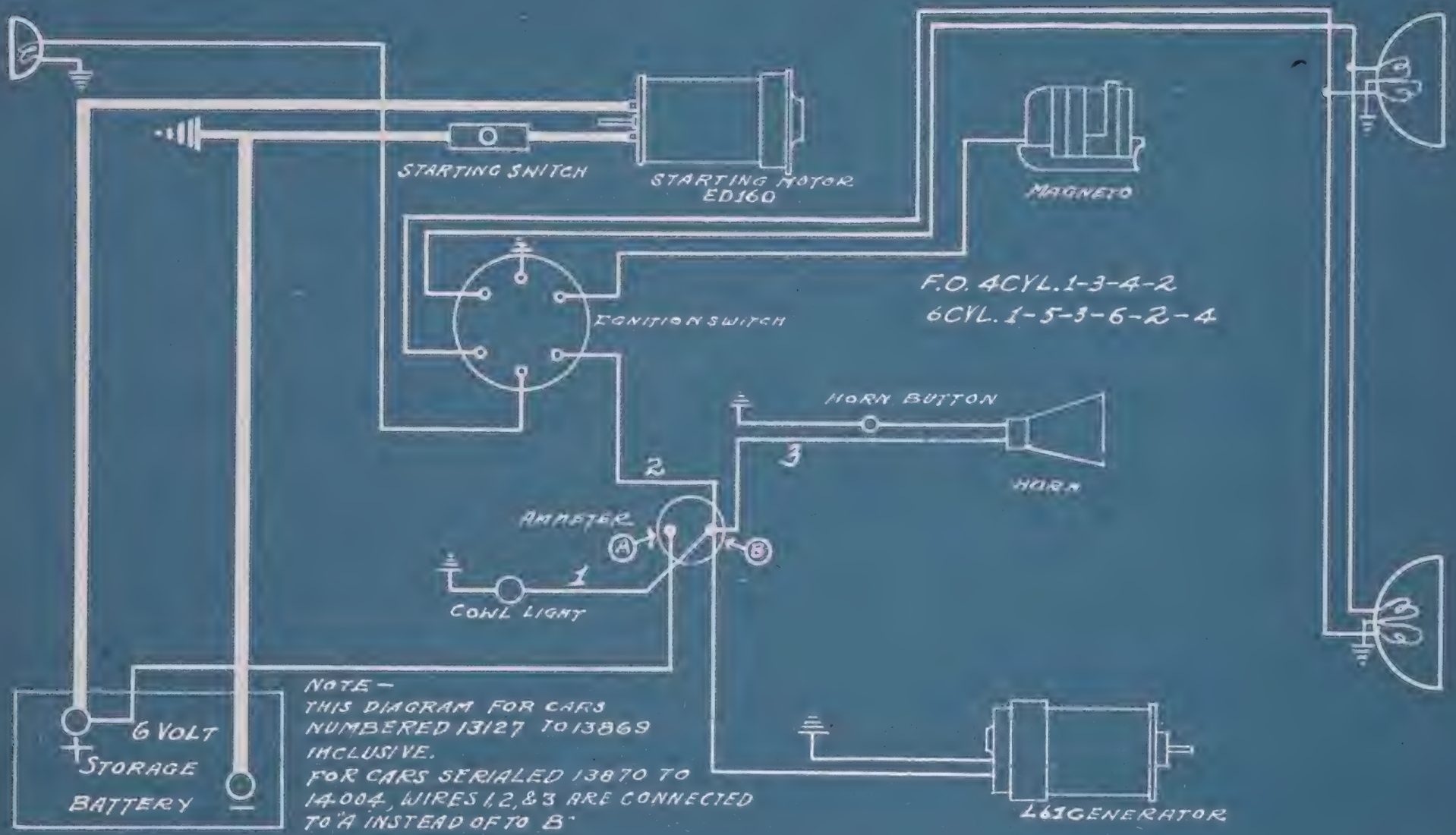
BIJUR STARTING & LIGHTING
BOSCH MAGNETO IGN.



ROAMER "45, 54, RA" 1916-17

BIJUR STARTING & LIGHTING

BOSCH MAGNETO IGN.

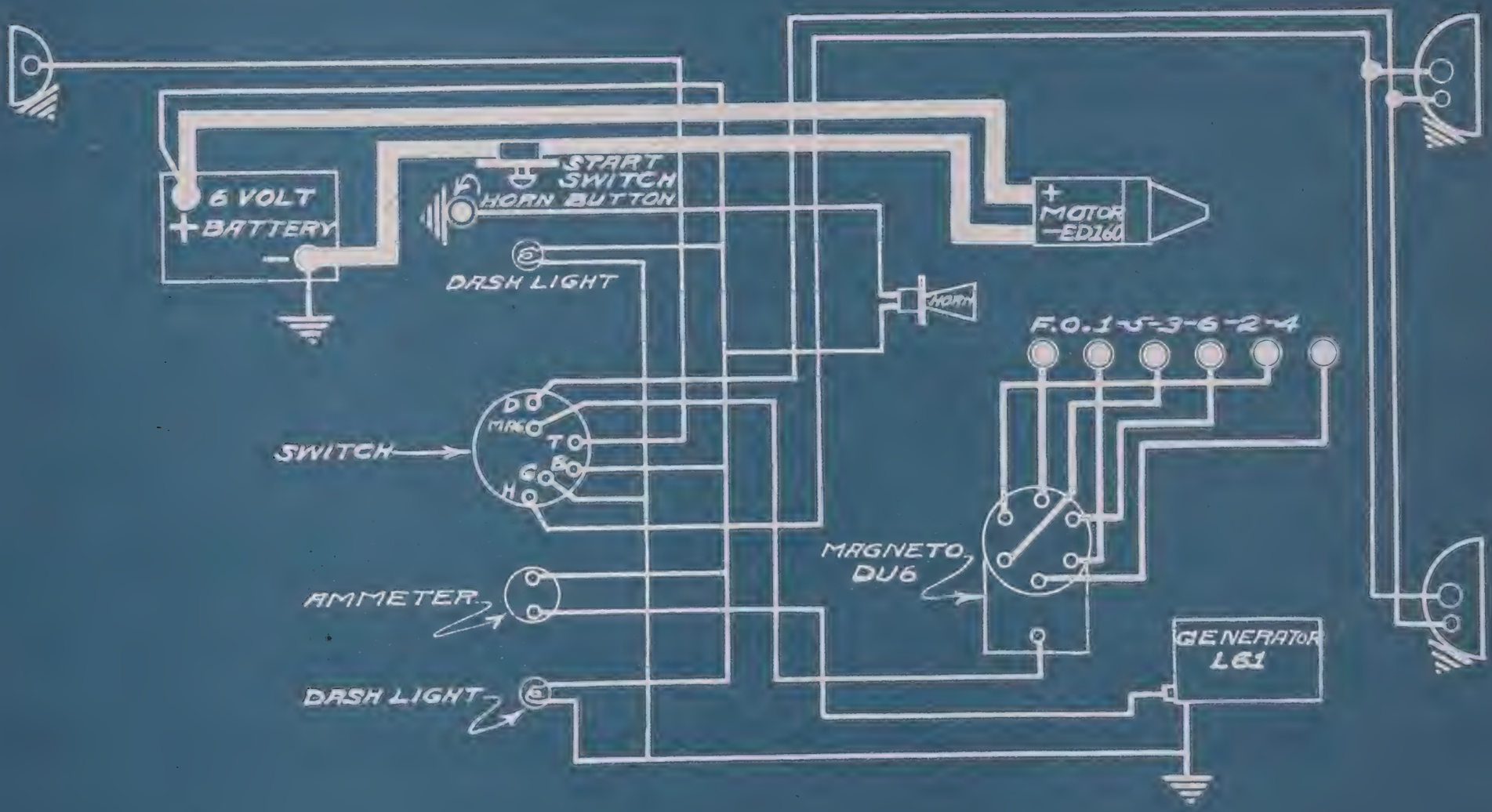


NOTE—
THIS DIAGRAM FOR CARS NUMBERED 13127 TO 13869 INCLUSIVE.
FOR CARS SERIALED 13870 TO 14004, WIRES 1, 2, & 3 ARE CONNECTED TO "A" INSTEAD OF TO "B"

ROAMER "54" 1917-18

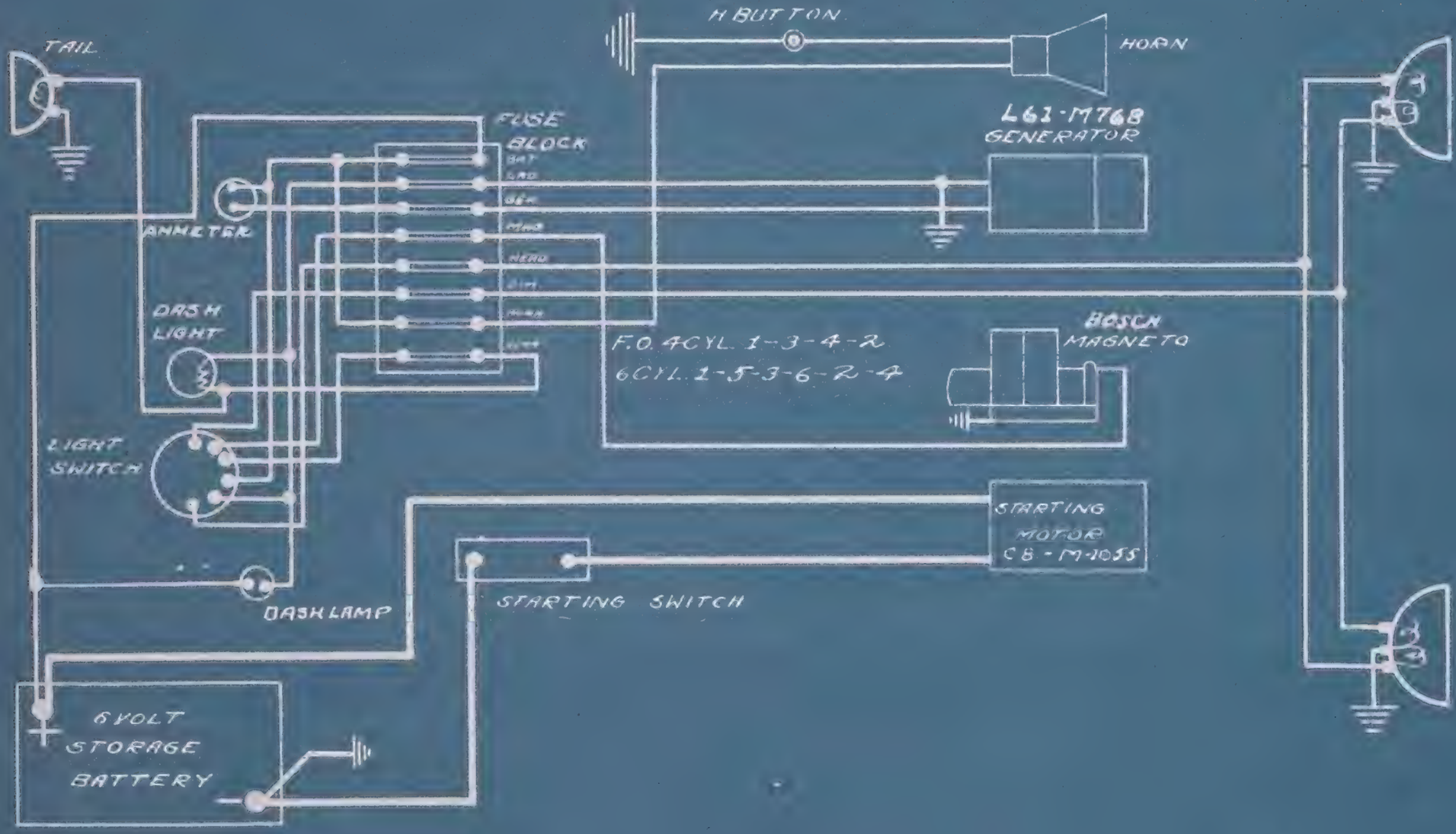
BIJUR SYSTEM

BOSCH MAG. IGN.



ROAMER 1918-19 D-4-75 & C-6-54

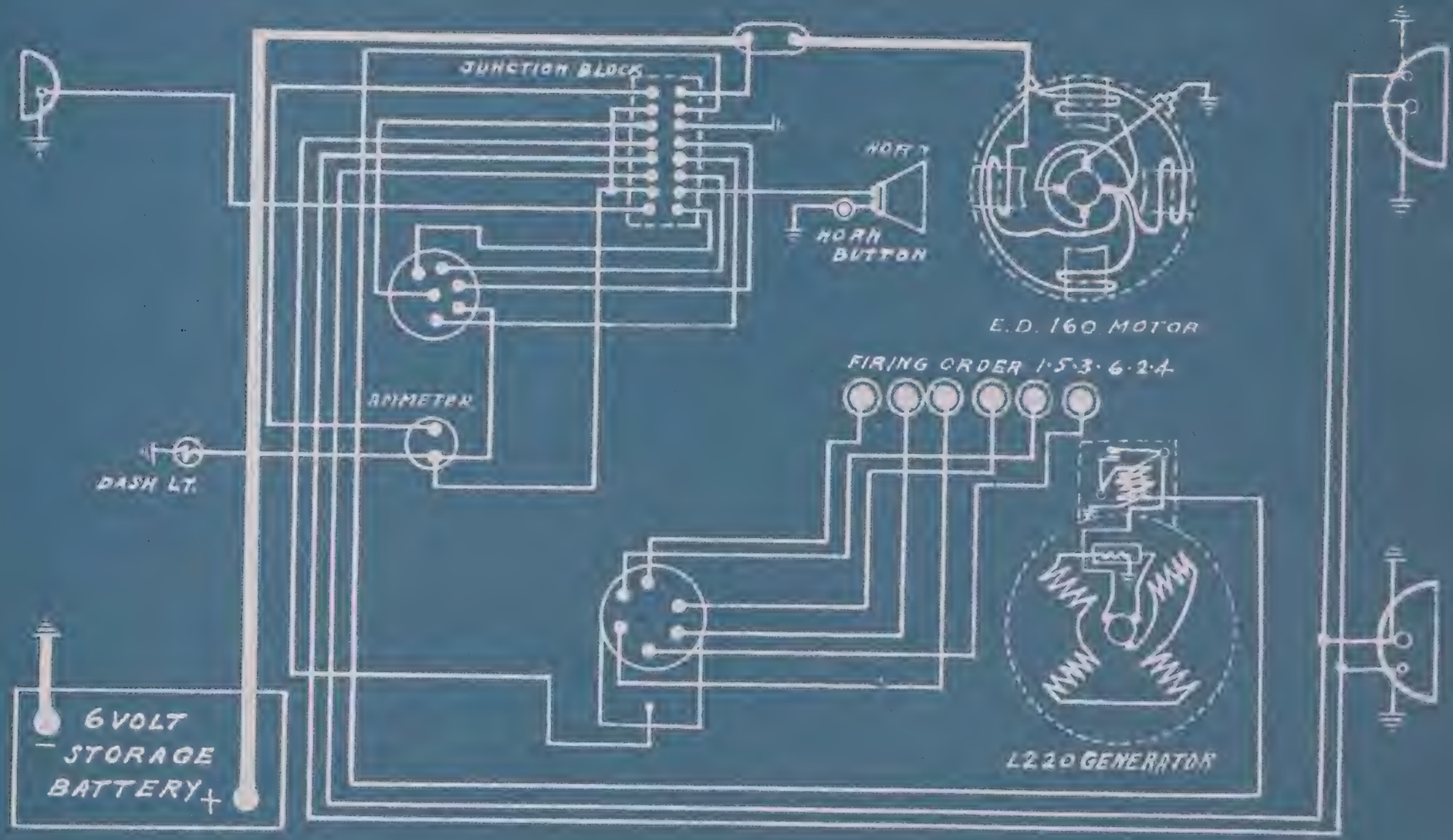
BIJUR SYSTEM CARS 15737 TO 15890
BOSCH IGNITION



ROAMER "6-54E" 1920-1921

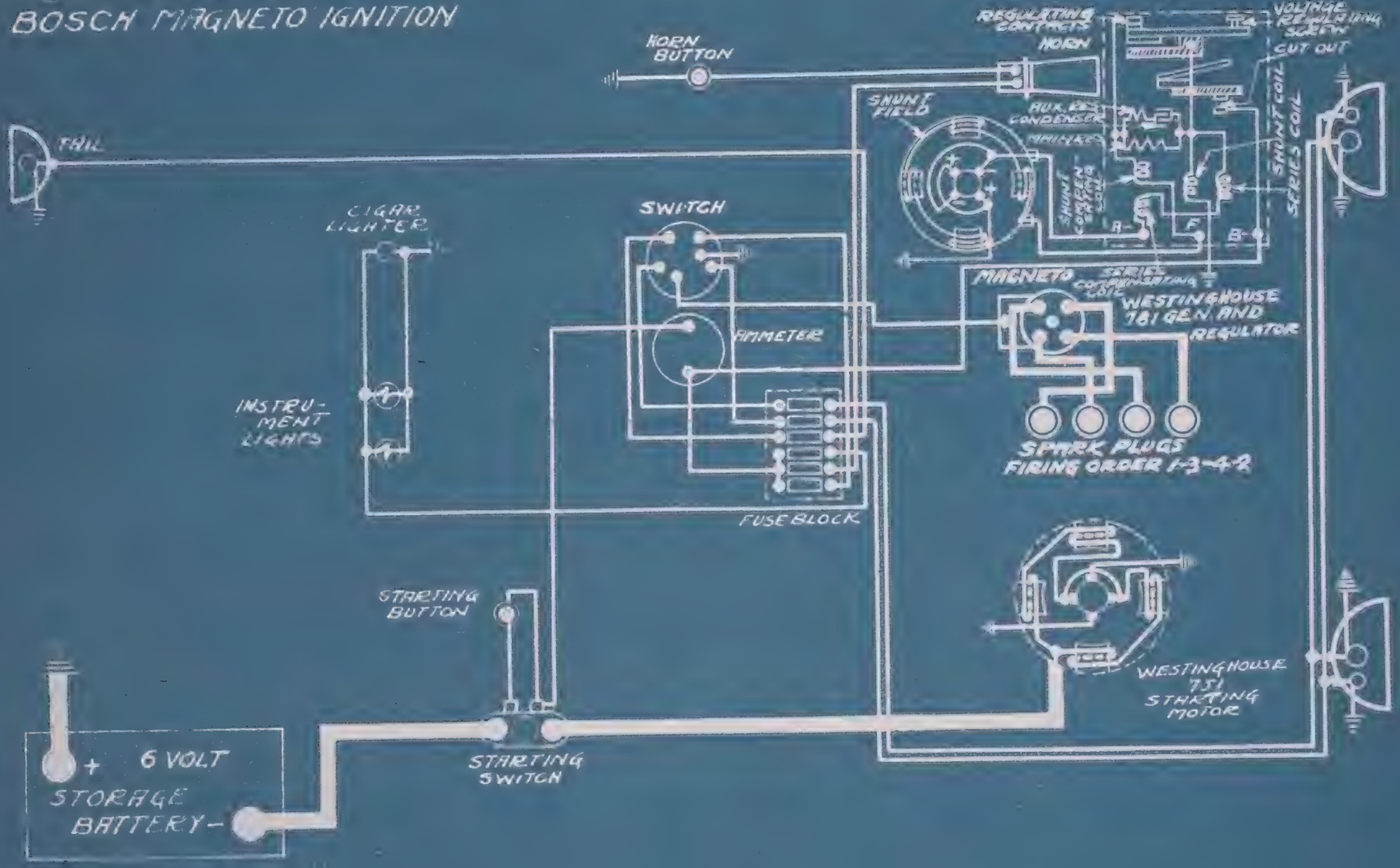
BIJUR SYSTEM

BOSCH MAG. IGN.



ROAMER "4-75-E" 1920-1921

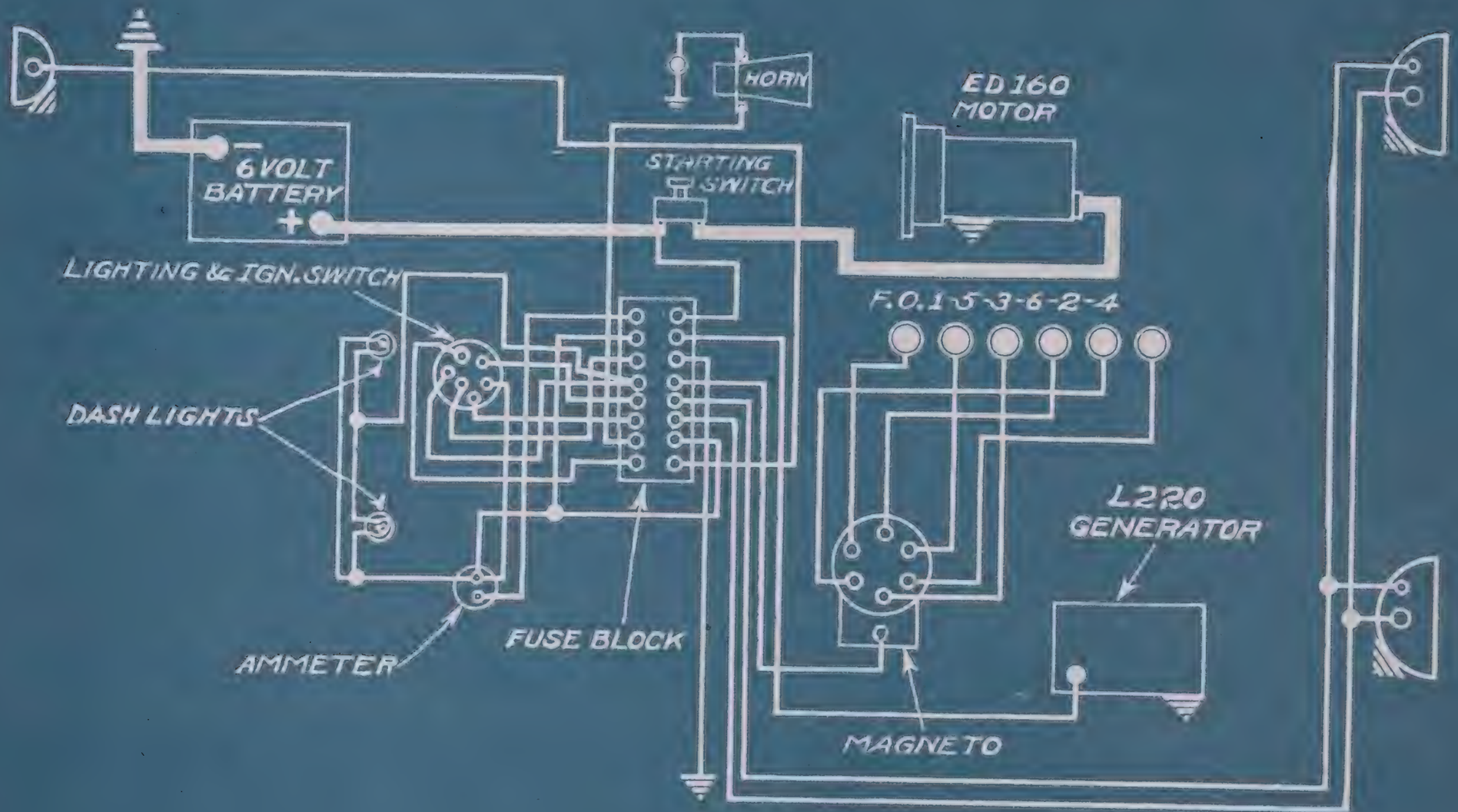
WESTINGHOUSE SYSTEM
BOSCH MAGNETO IGNITION



ROAMER "6-54-E" 1922

BIJUR SYSTEM

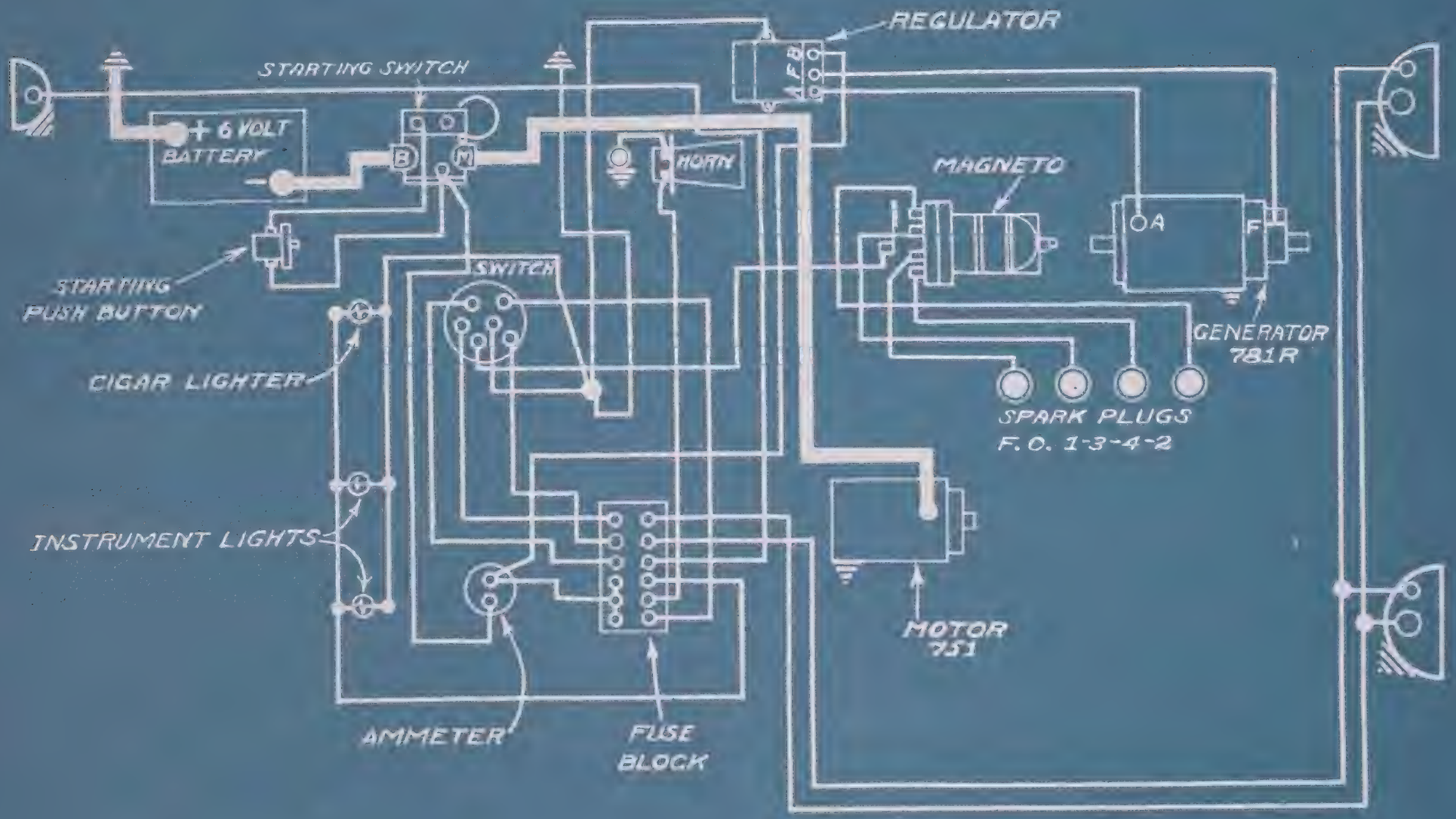
BOSCH MAGNETO



ROAMER "4-75-E" & "F-85" 1922

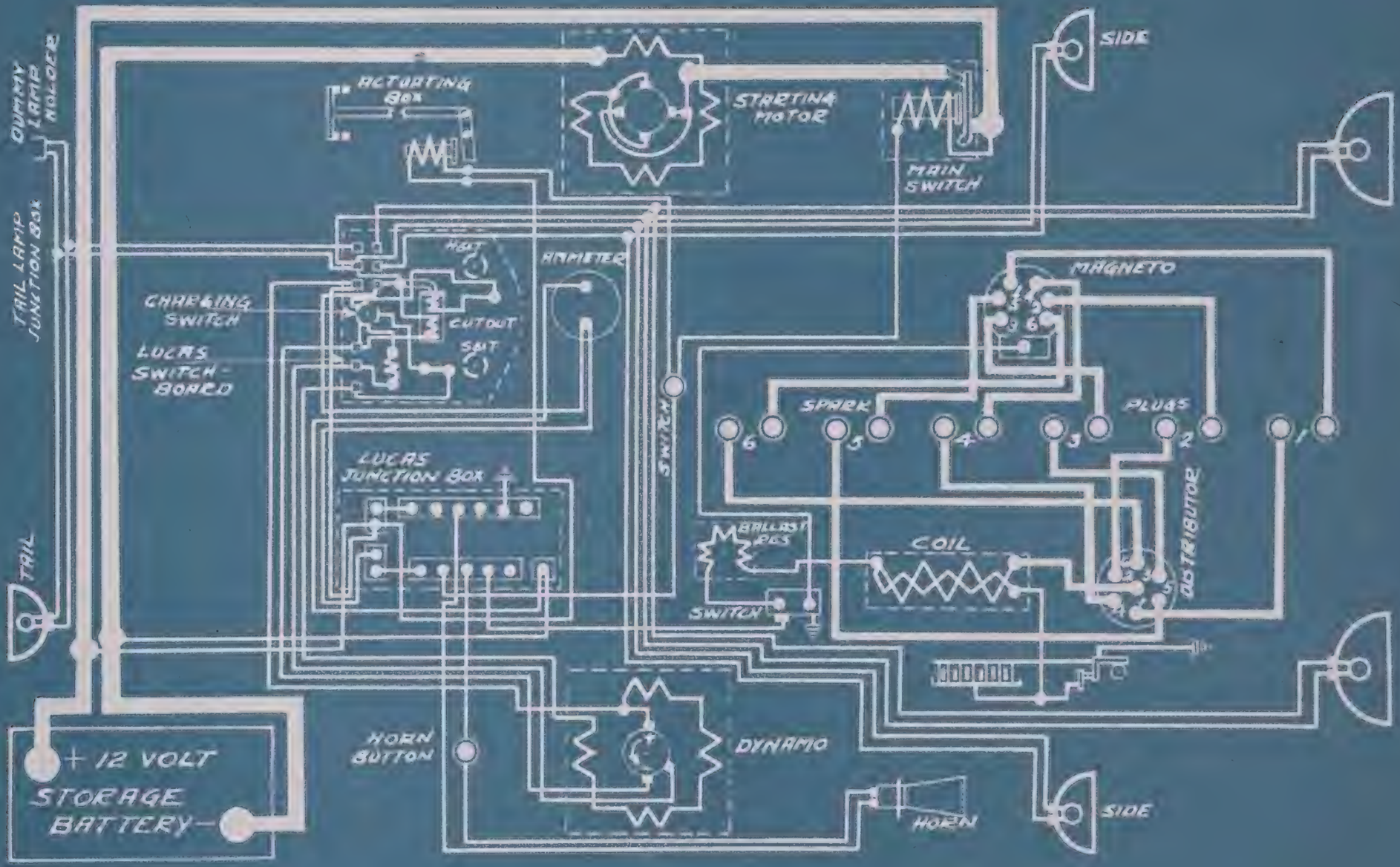
WESTINGHOUSE SYS.

SPLITDORF MAG.



ROLLS-ROYCE 1921

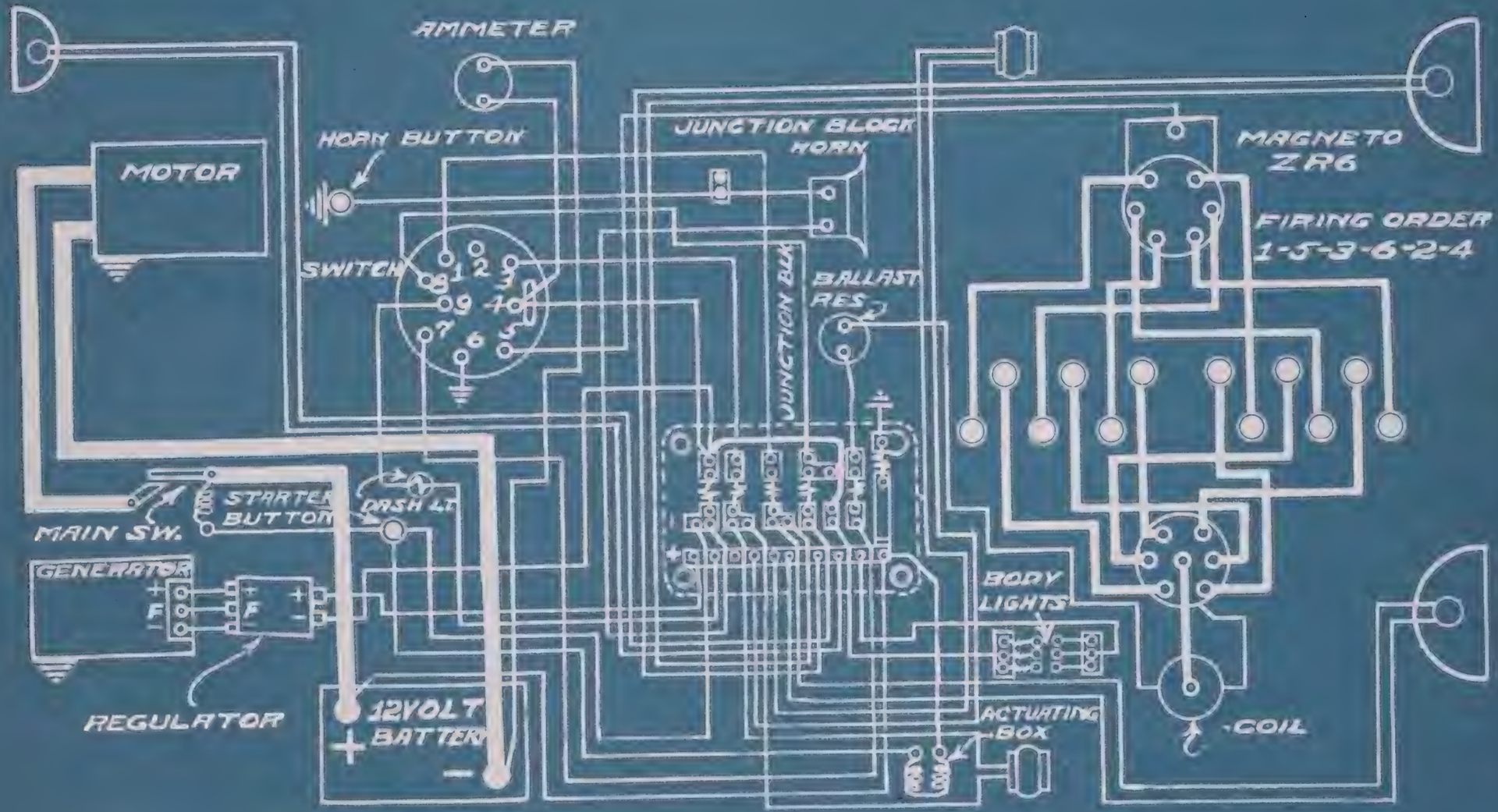
LUCAS SYSTEM



ROLLS-ROYCE 1922

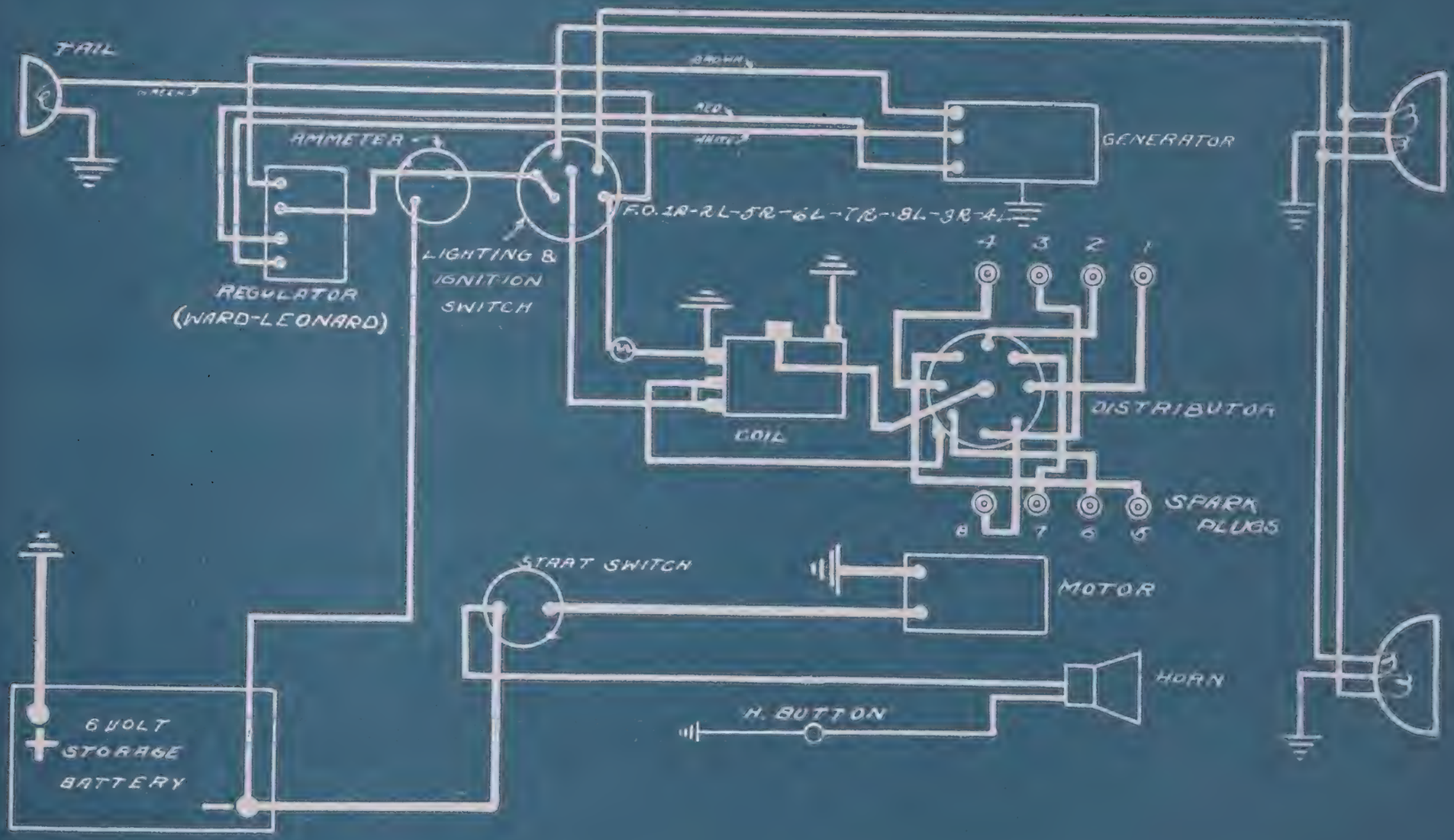
BIJUR SYSTEM

BOSCH MAG. IGN.



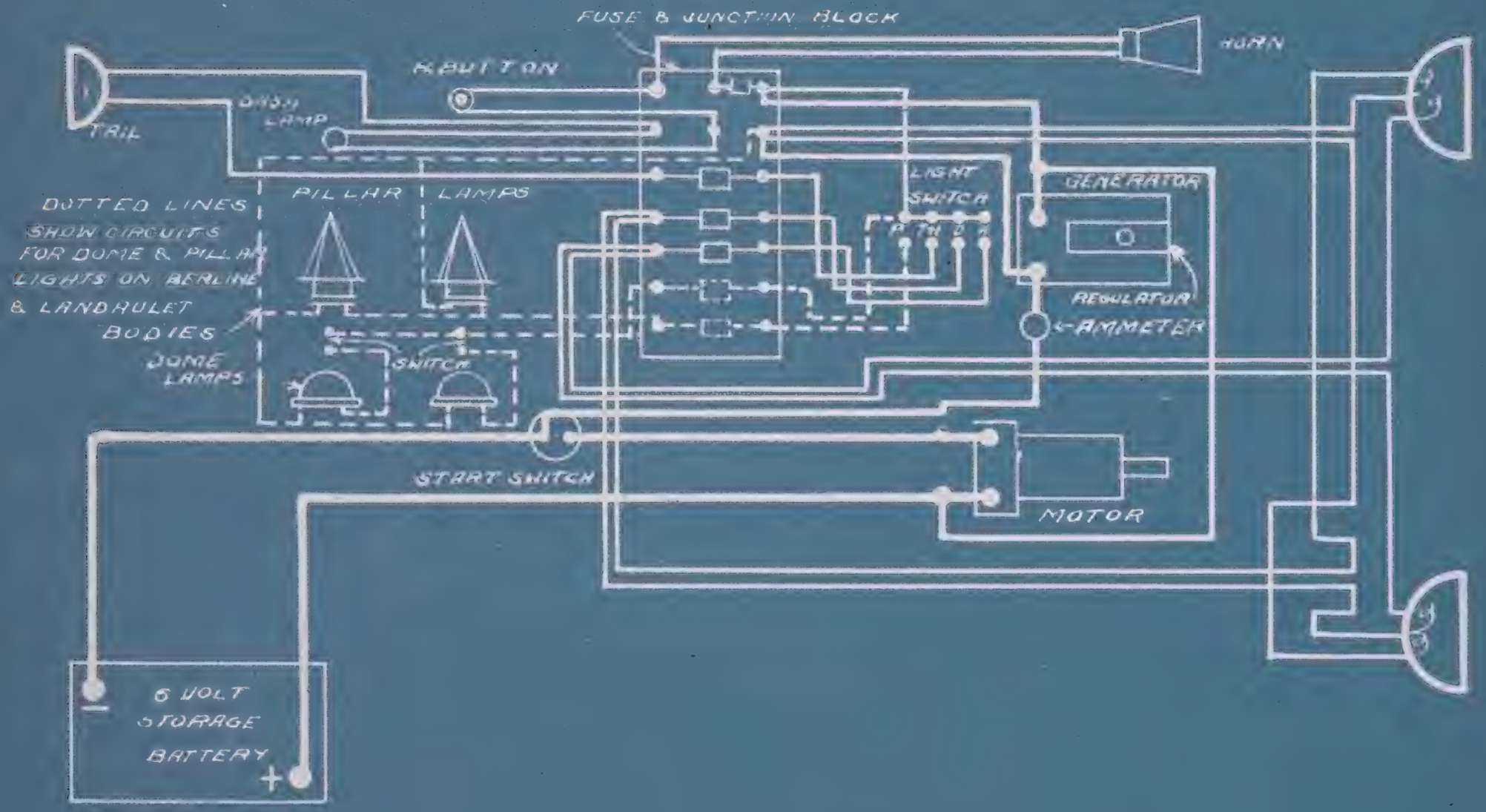
ROSS 1916-1917 MODEL "8"

ROBBINS & MEYER SYSTEM
ATWATER KENT IGNITION



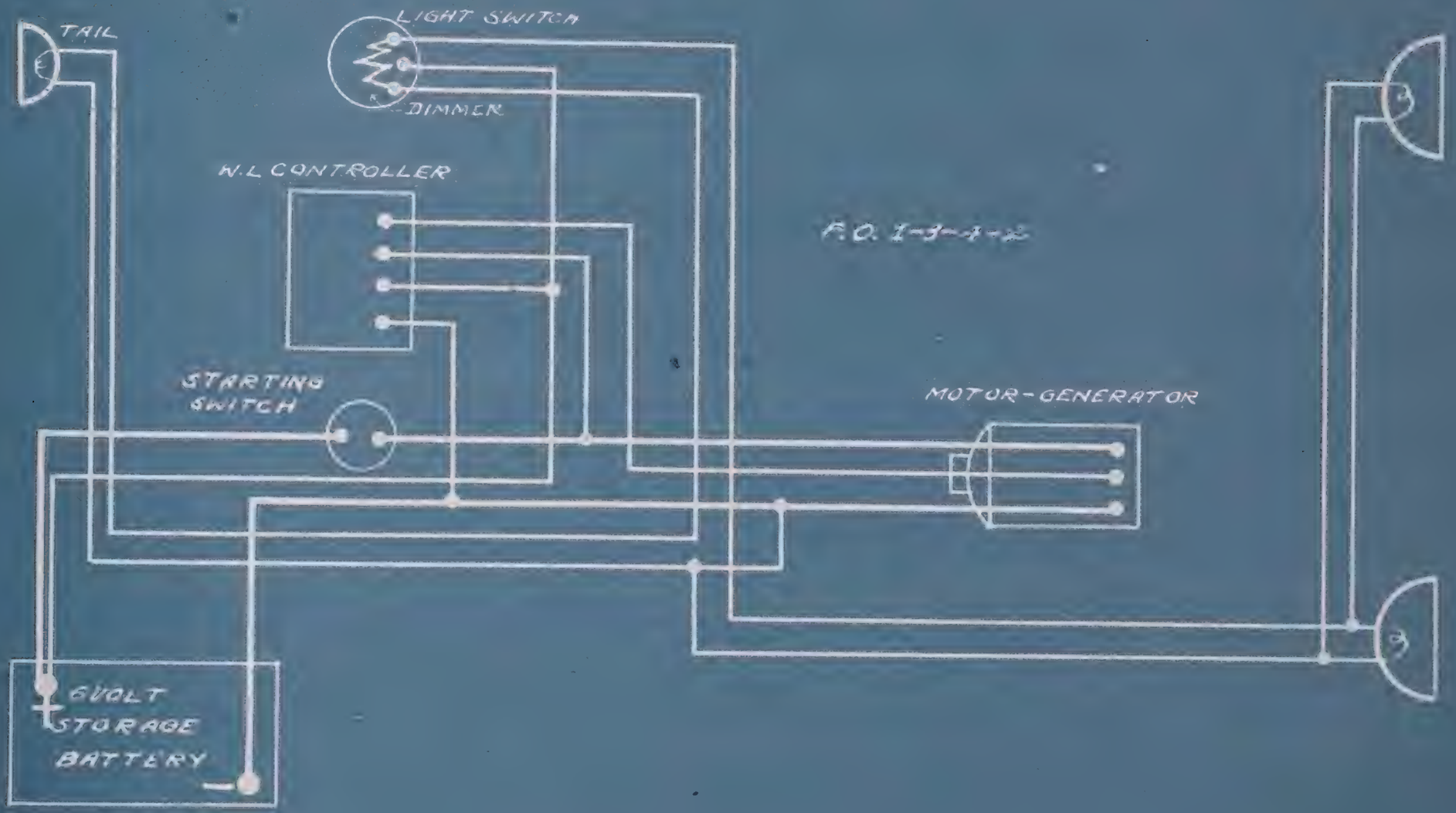
RUSSELL MODELS 32 & 48

BIJUR SYSTEM



SAXON 1915 FOUR

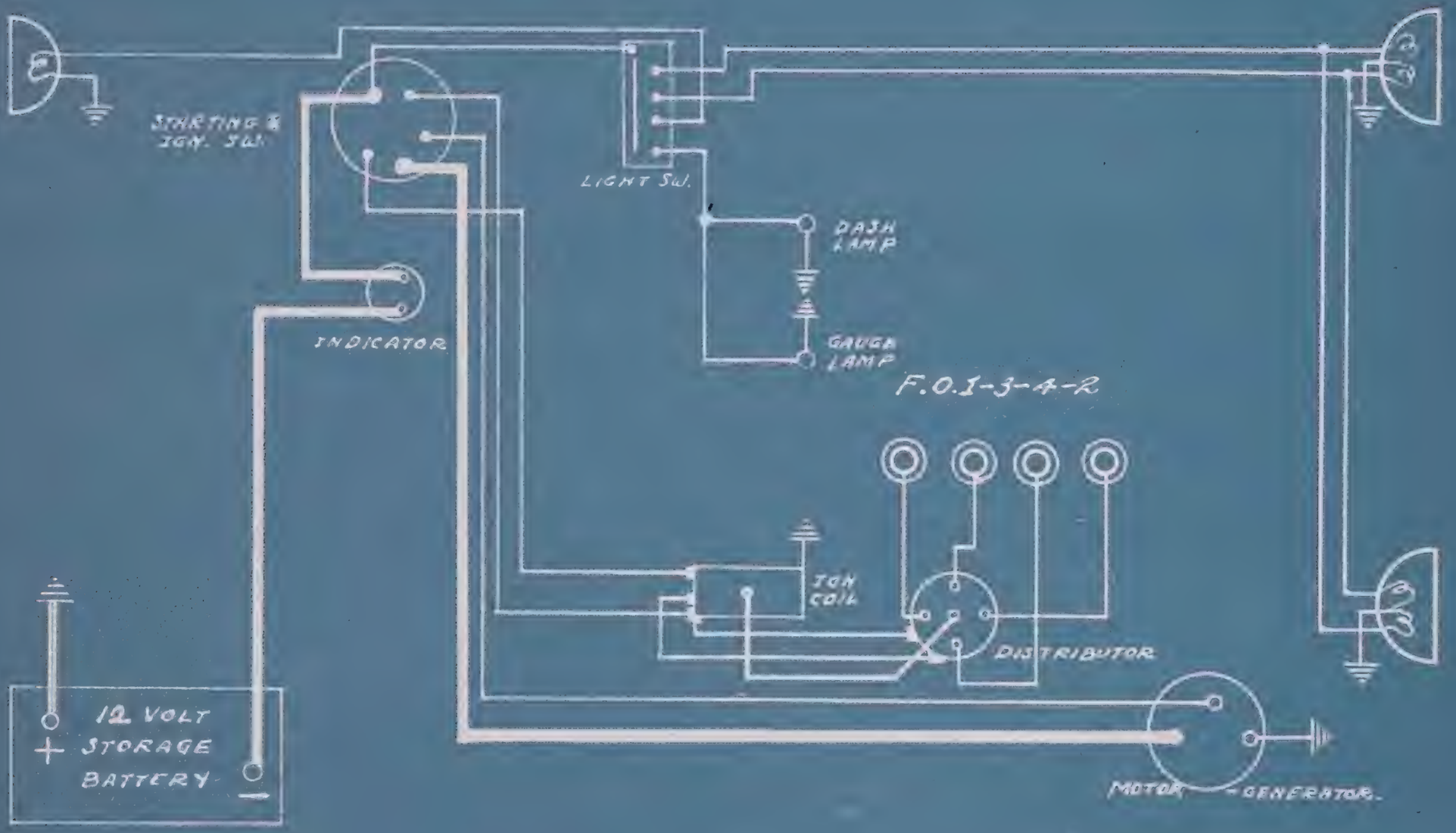
WARD LEONARD SYSTEM



SAXON 1916-1917

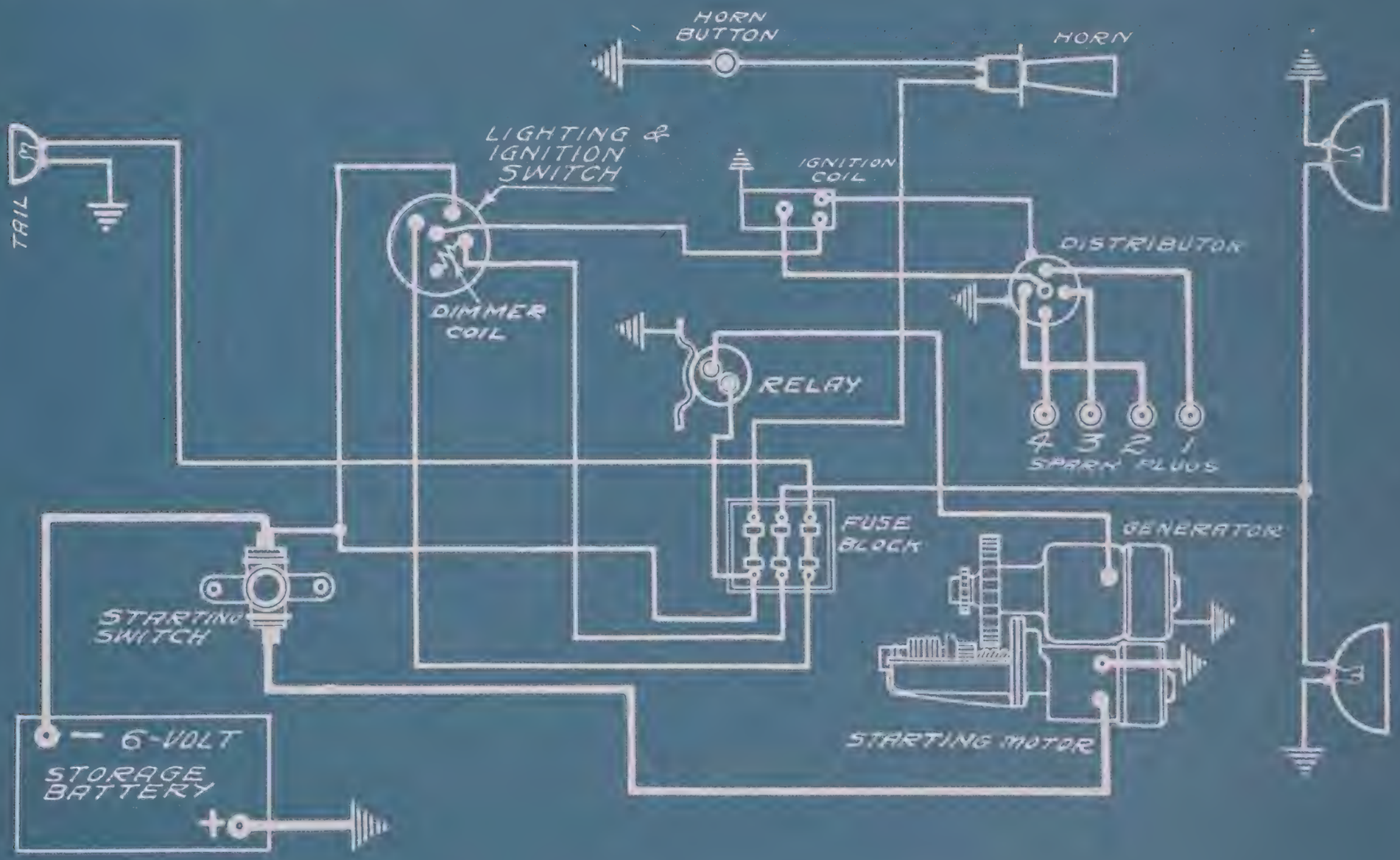
BIJUR STARTING & LIGHTING

ATWATER-KENT IGNITION



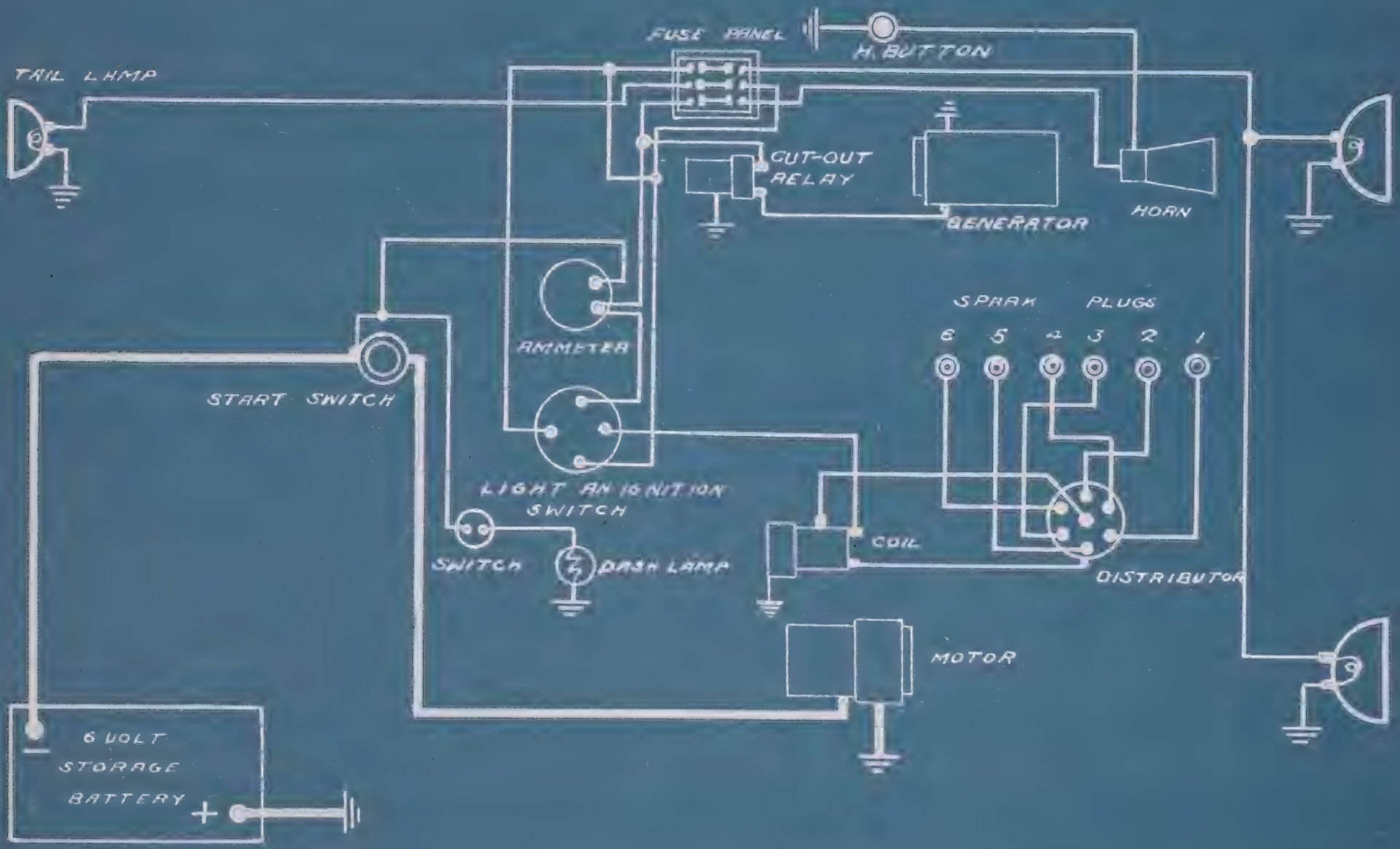
SAXON 1917 B-5-R

WAGNER SYSTEM



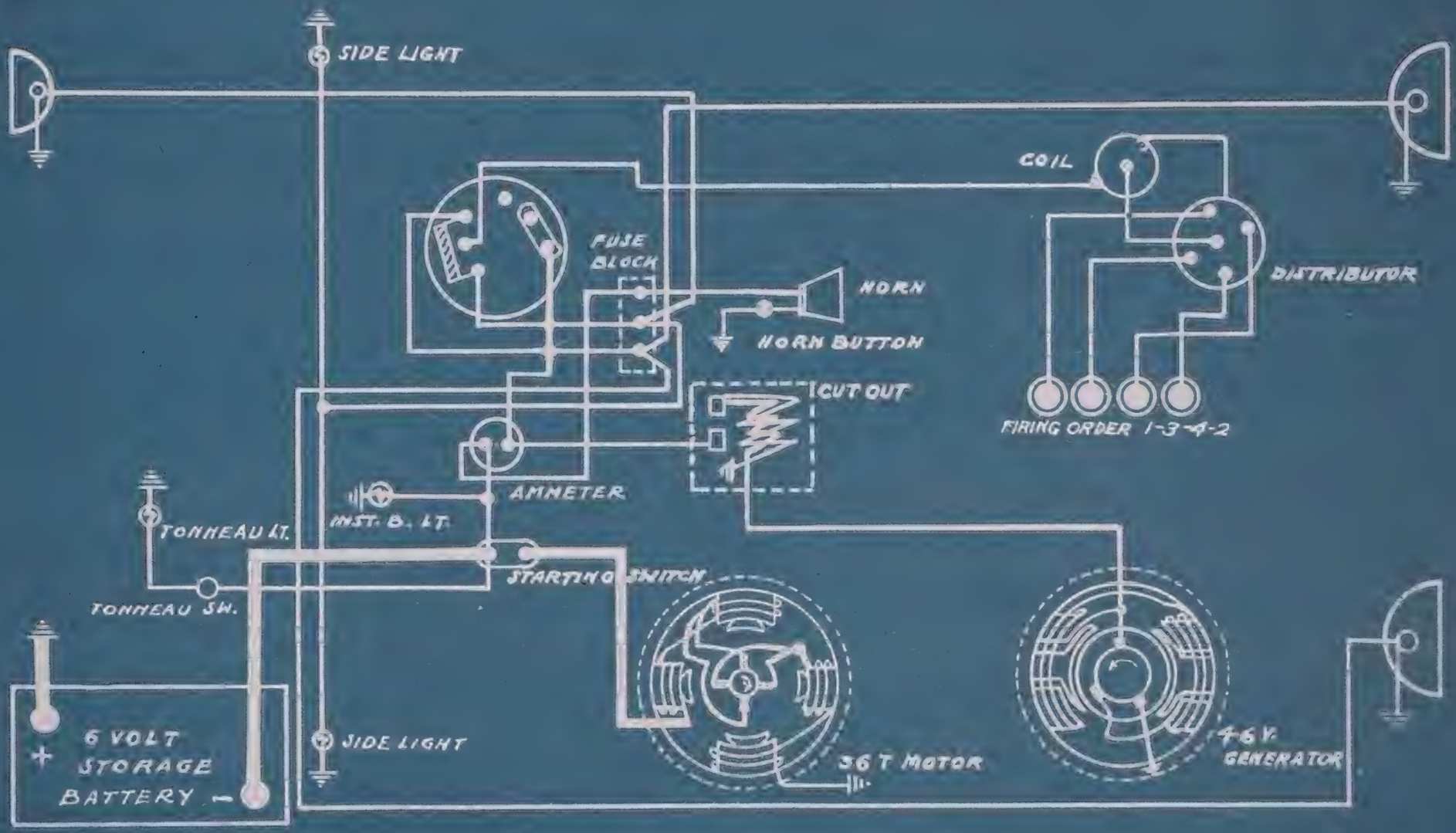
SAXON 1917 S-4 - 1918 Y-18 - 1919 FY-18.

WAGNER SYSTEM REMY IGNITION

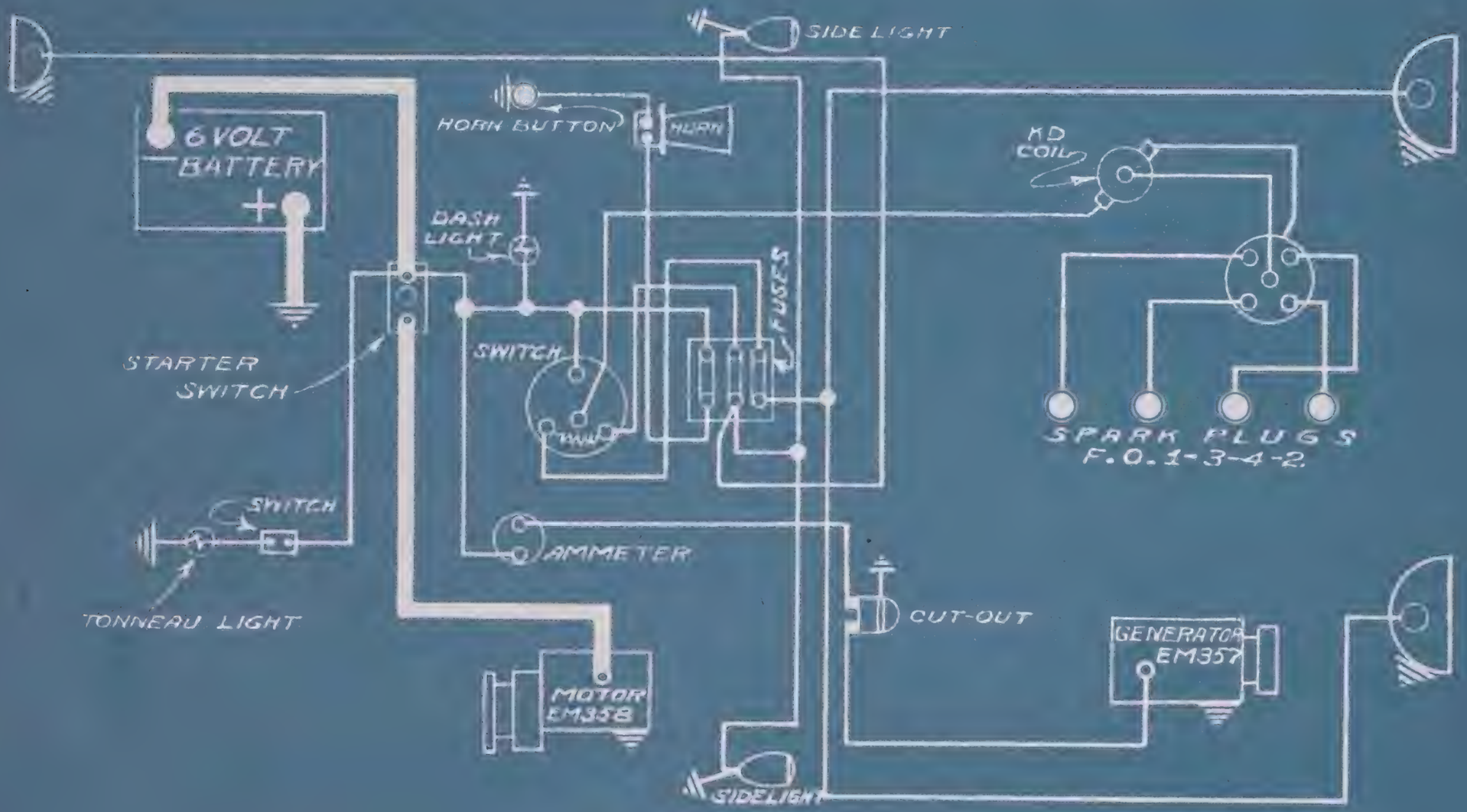


SAXON "125" 1920-1921

WAGNER SYSTEM

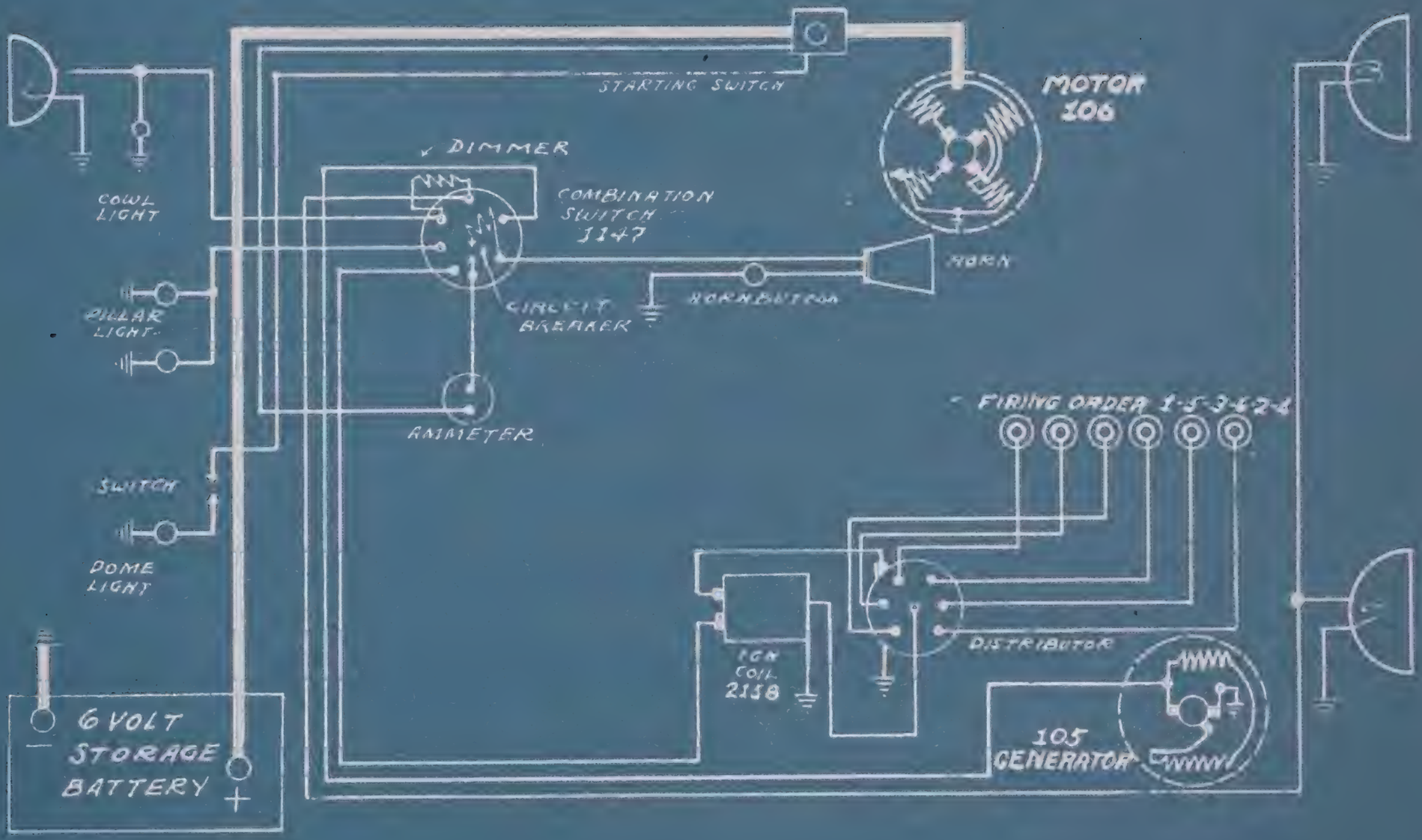


SAXON "125" 1922
WAGNER SYSTEM



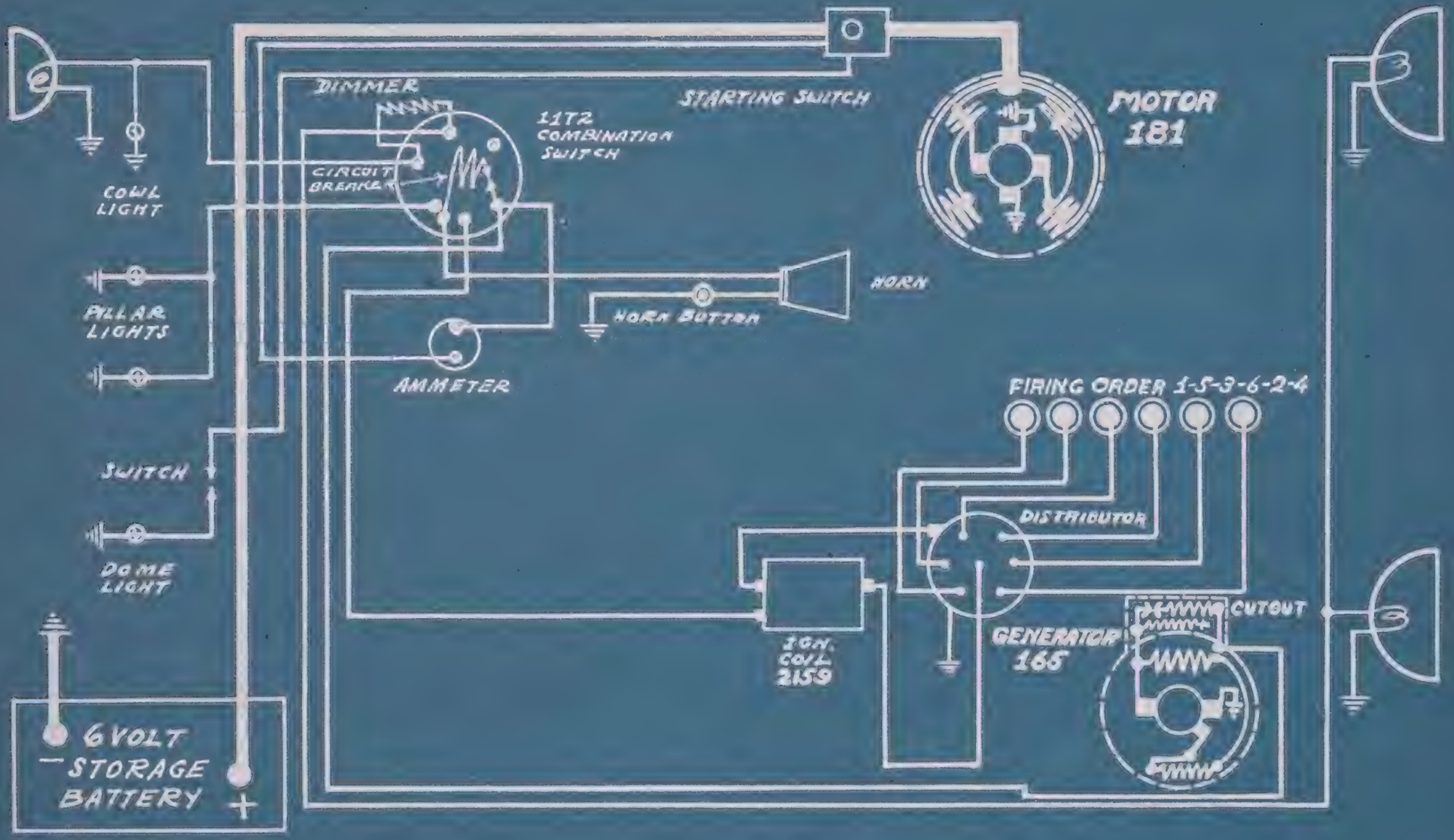
SAYERS "SIX" "AP" "BP" 1919 "CP" 1920

DELCO SYSTEM.



SAYERS "SIX" "CP" 1920 "DP" 1921-22

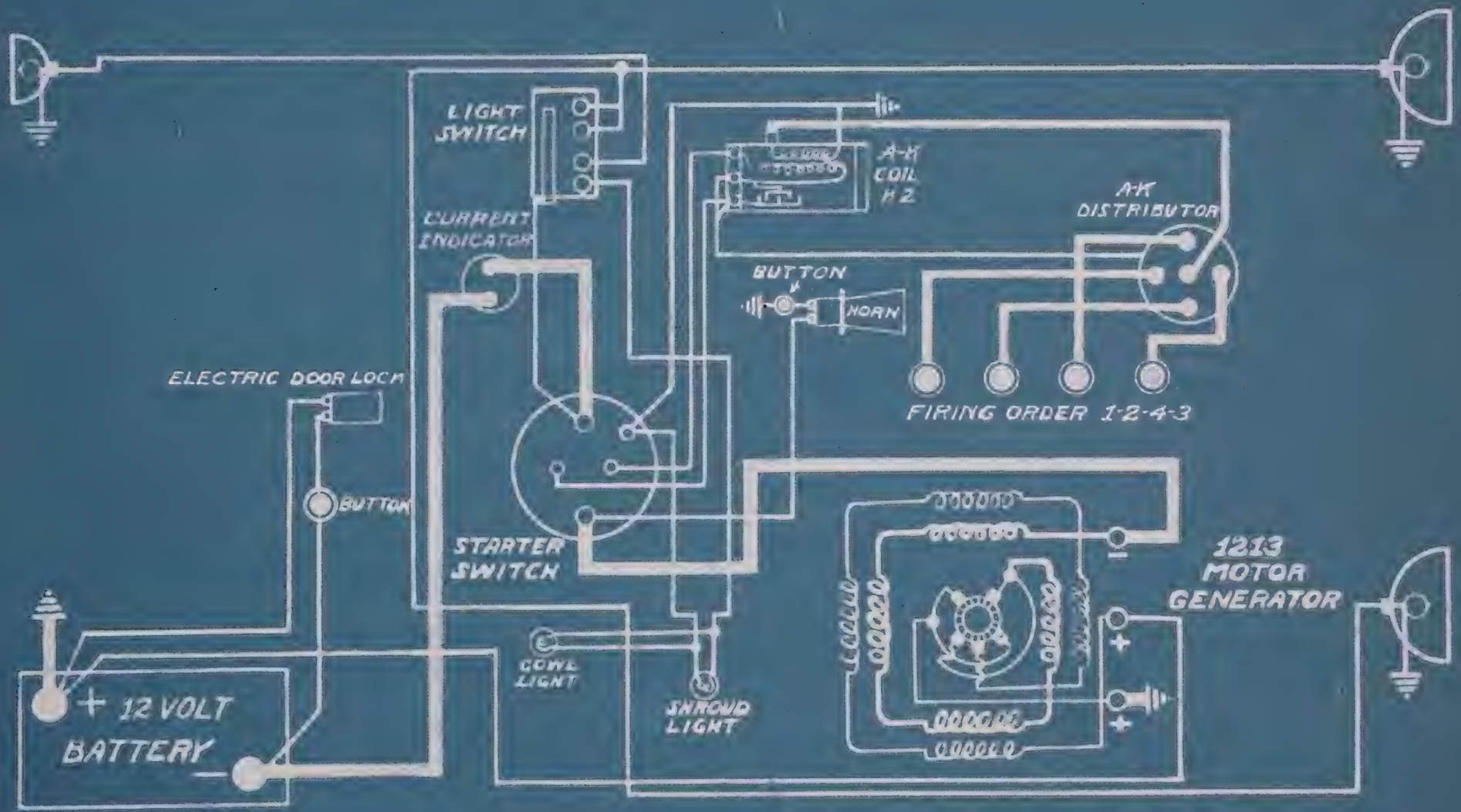
DELCO SYSTEM



SCRIPPS-BOOTH 1915

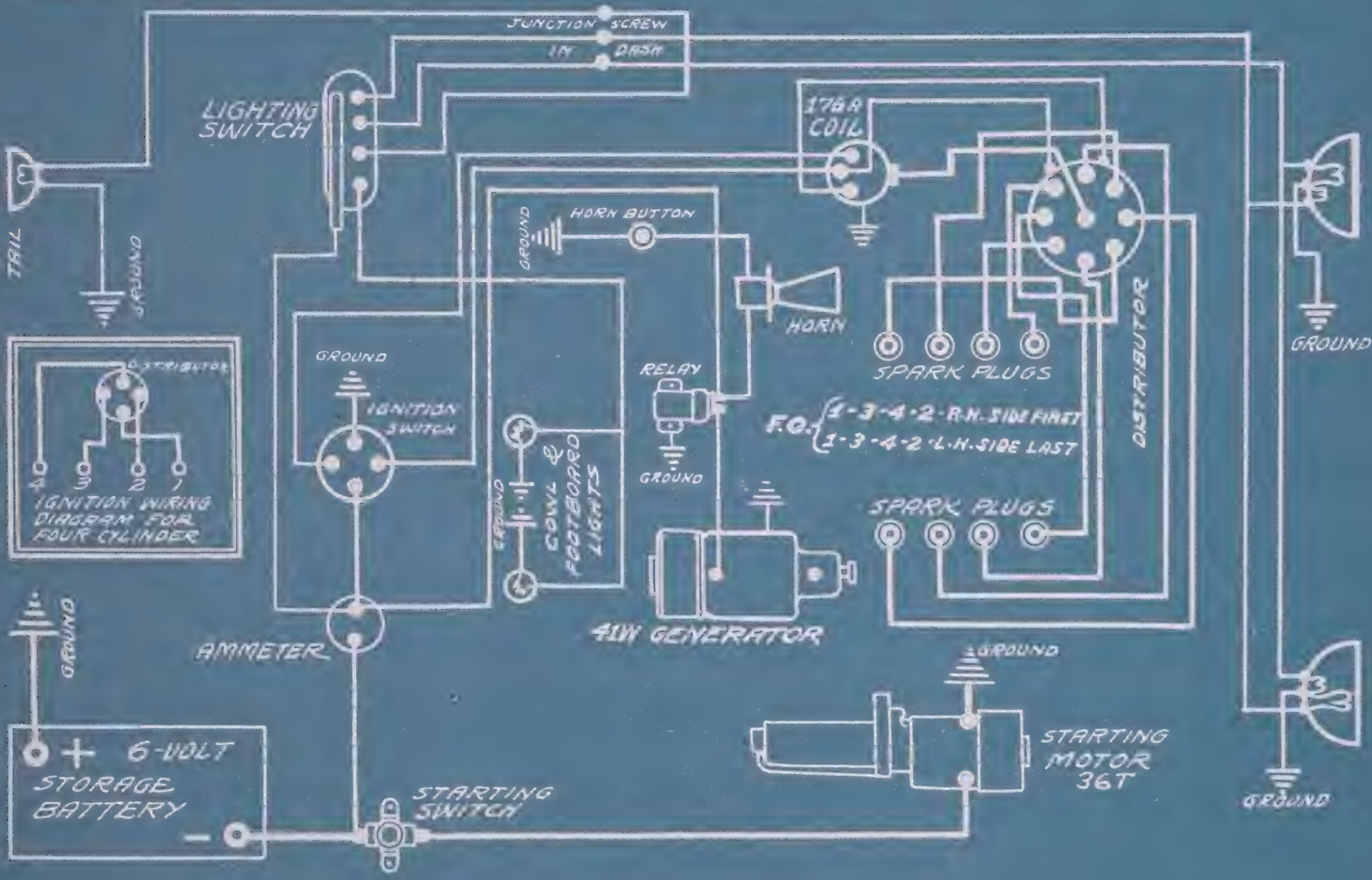
BIJUR SYSTEM

ATWATER-KENT IGN.



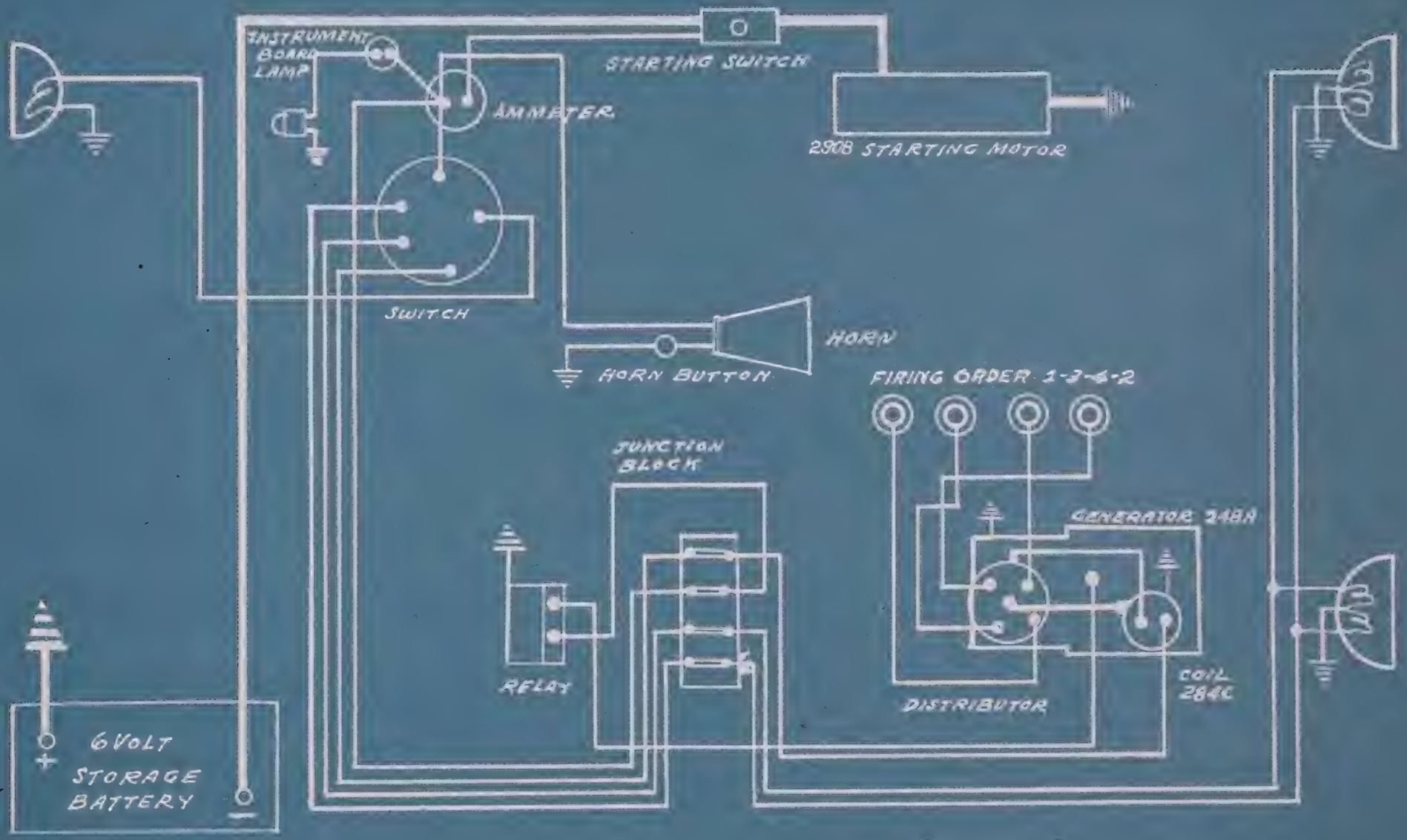
SCRIPPS-BOOTH 1916-7 "C4"-"D8"-"H"

WAGNER SYSTEM REMY IGN.



SCRIPPS-BOOTH MODEL "G" 1917-18

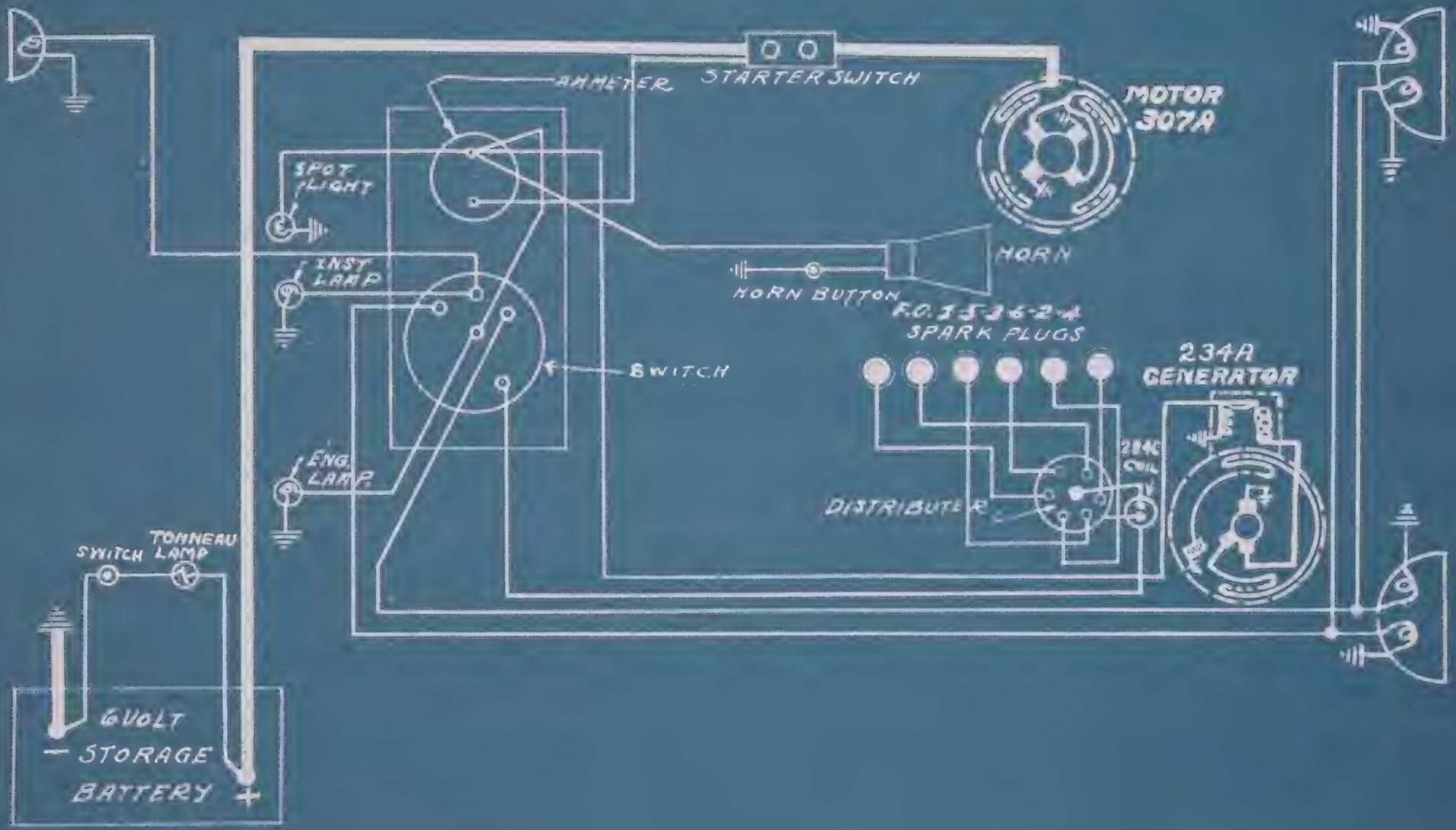
REMY SYSTEM



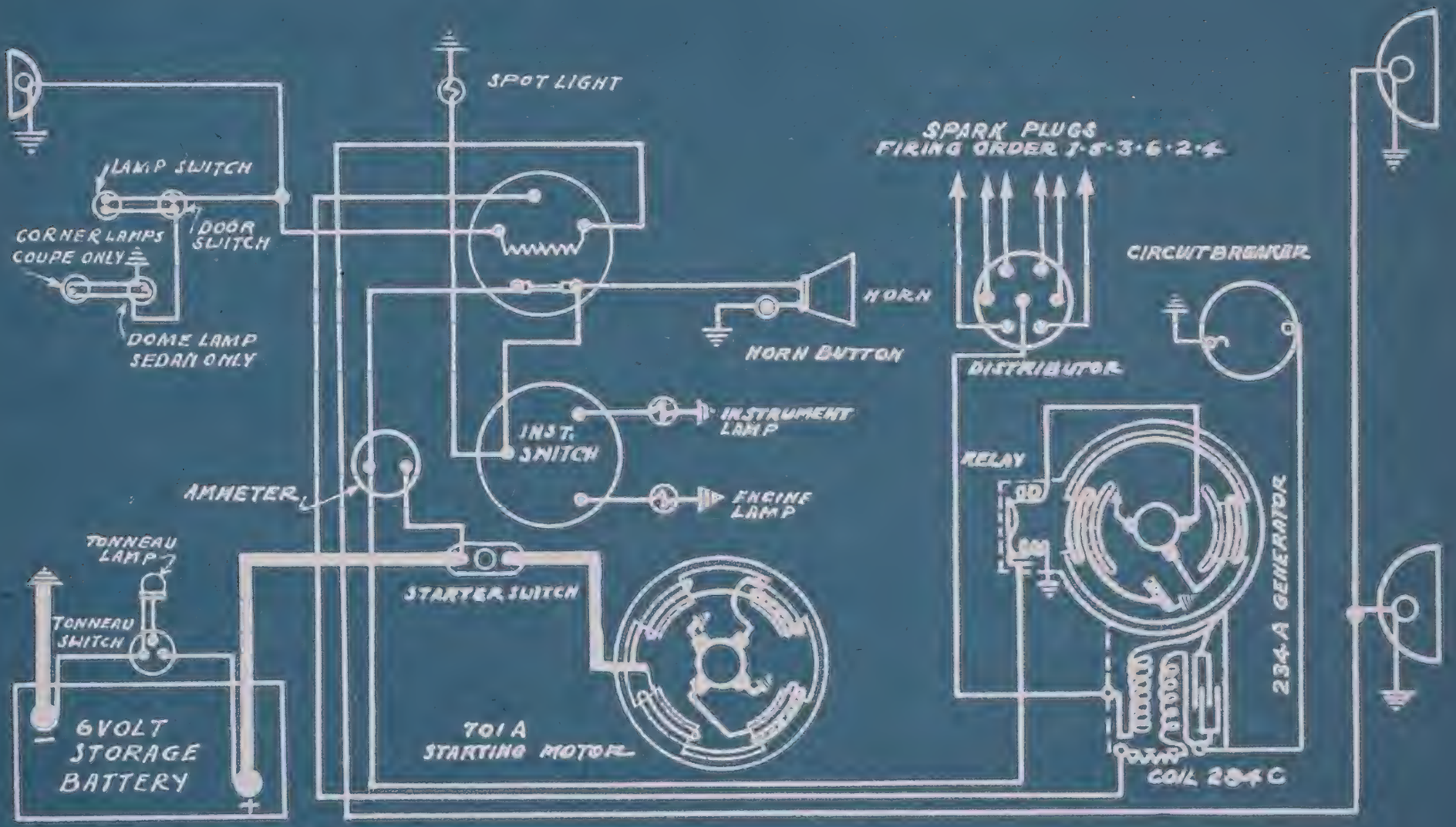
SCRIPPS-BOOTH 1918-19

REMY STARTING, LIGHTING AND IGN.

SIX 39-40-41-42

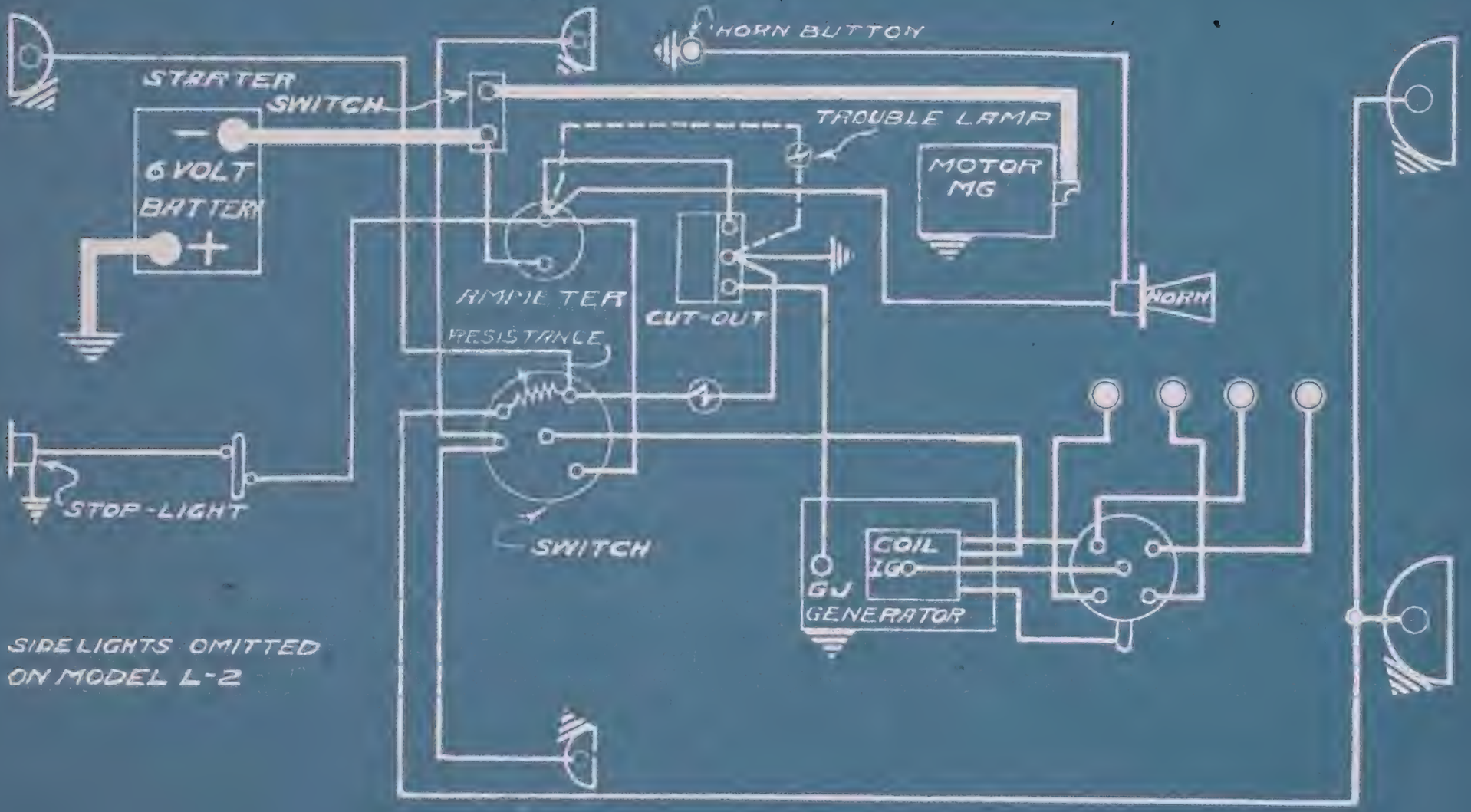


SCRIPPS-BOOTH 1920-1921
REMY SYSTEM



SENECA "L-2, 50, 51" 1922

AUTO-LITE SYSTEM

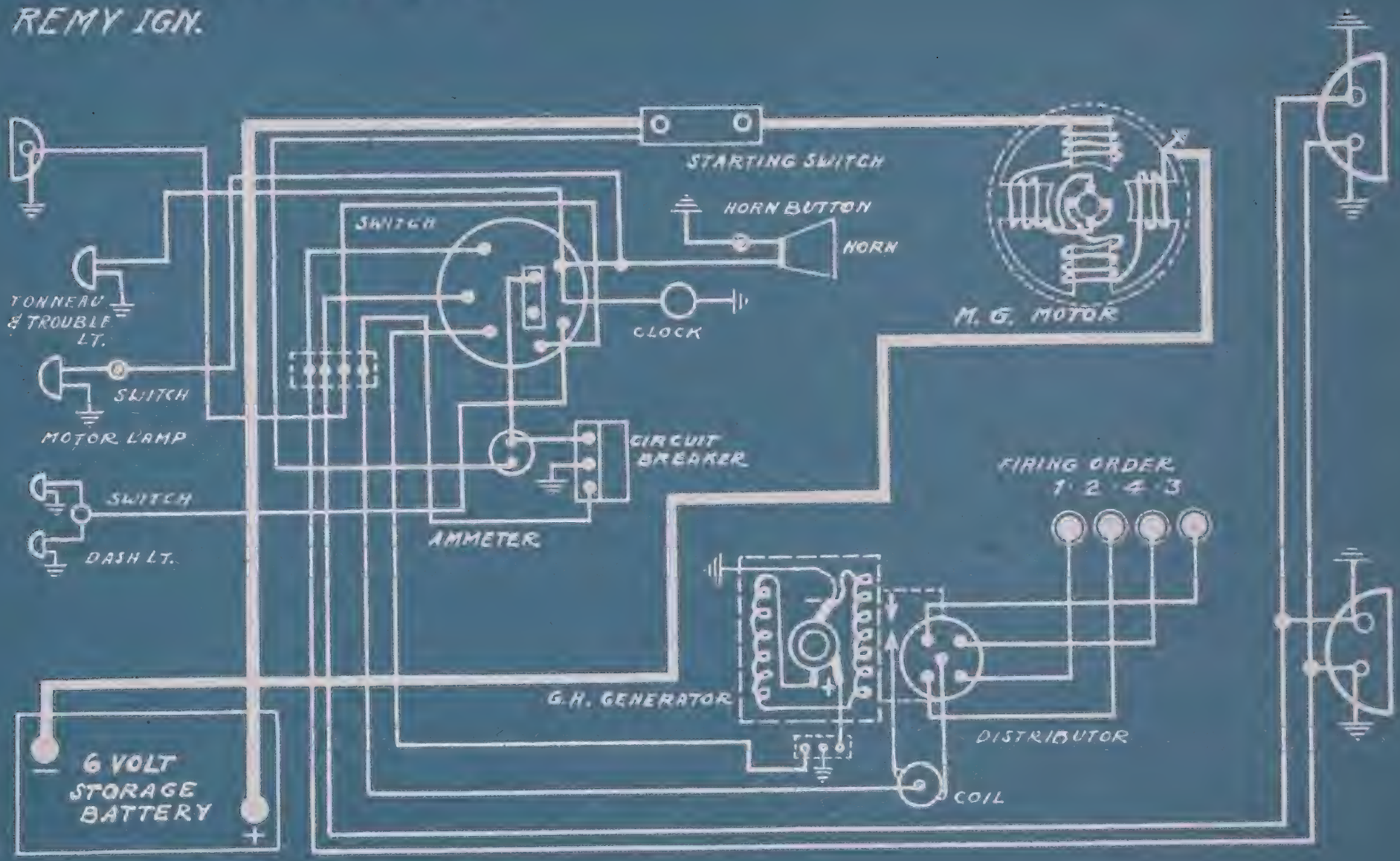


SIDE LIGHTS OMITTED ON MODEL L-2

SHERIDAN 1921 FOUR

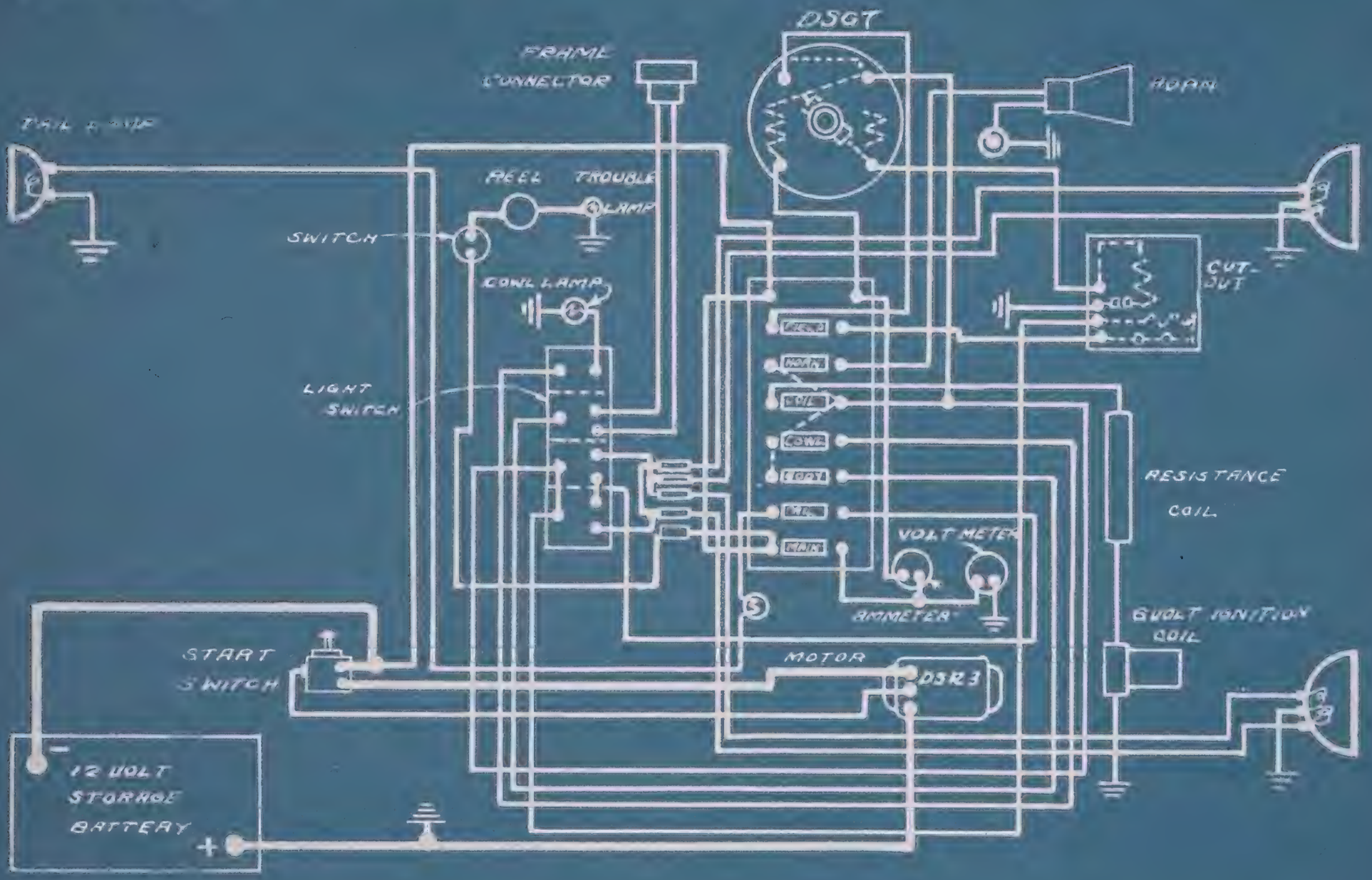
AUTO LITE STARTING & LTG.

REMY IGN.



SIMPLEX MODEL 5 1917

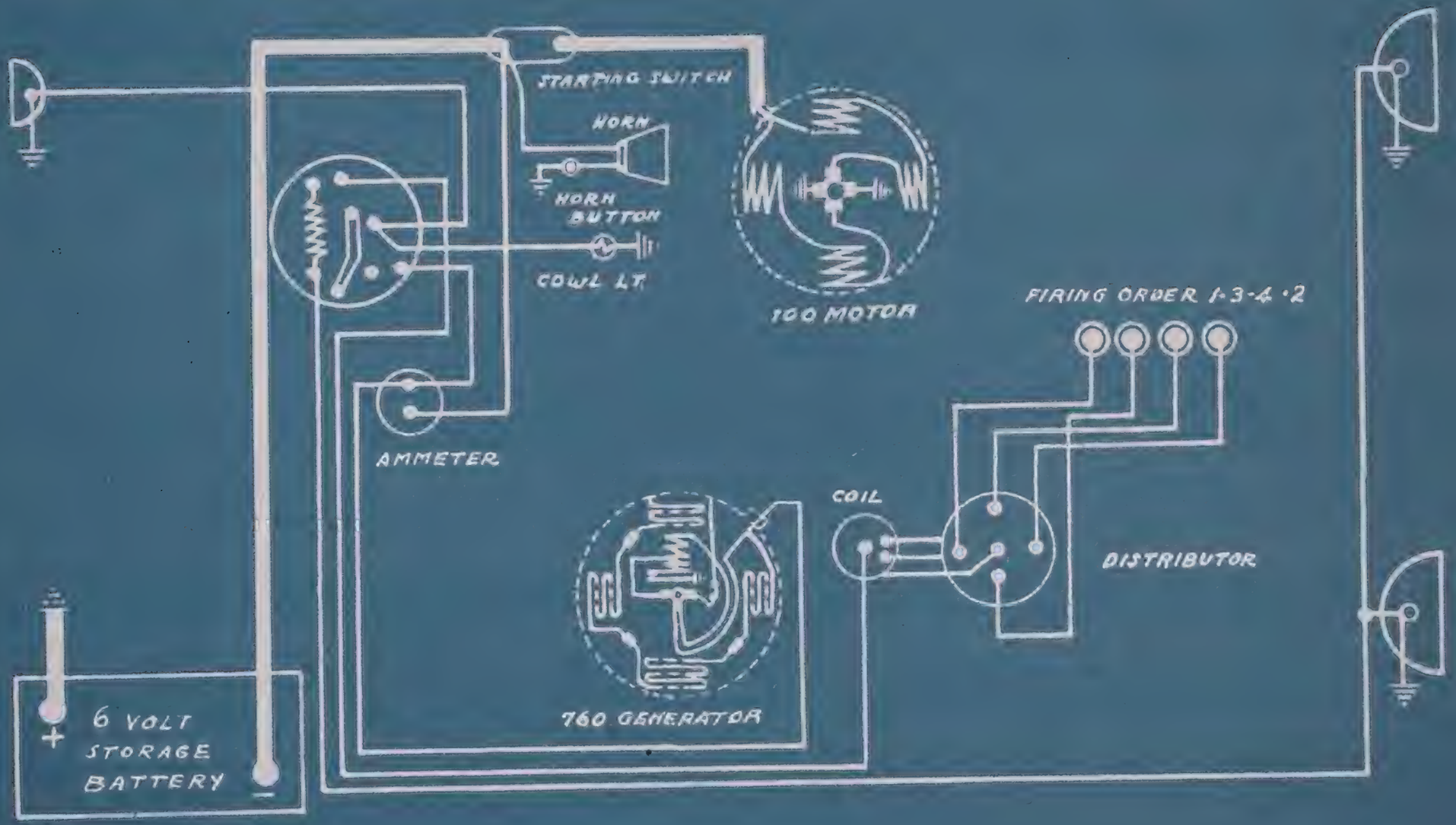
BOSCH SYSTEM



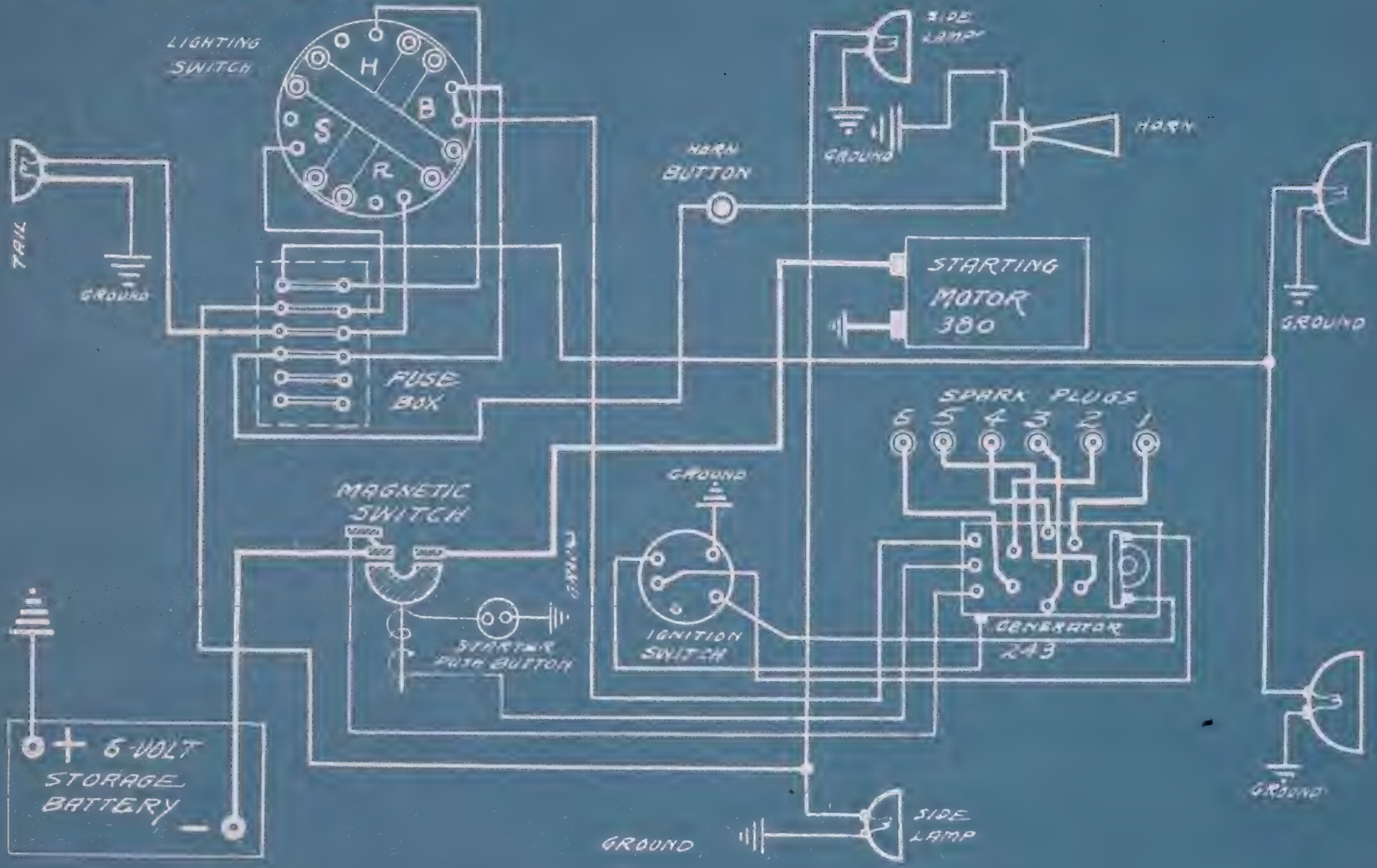
SKELTON "35" 1920-1921

WESTINGHOUSE SYSTEM

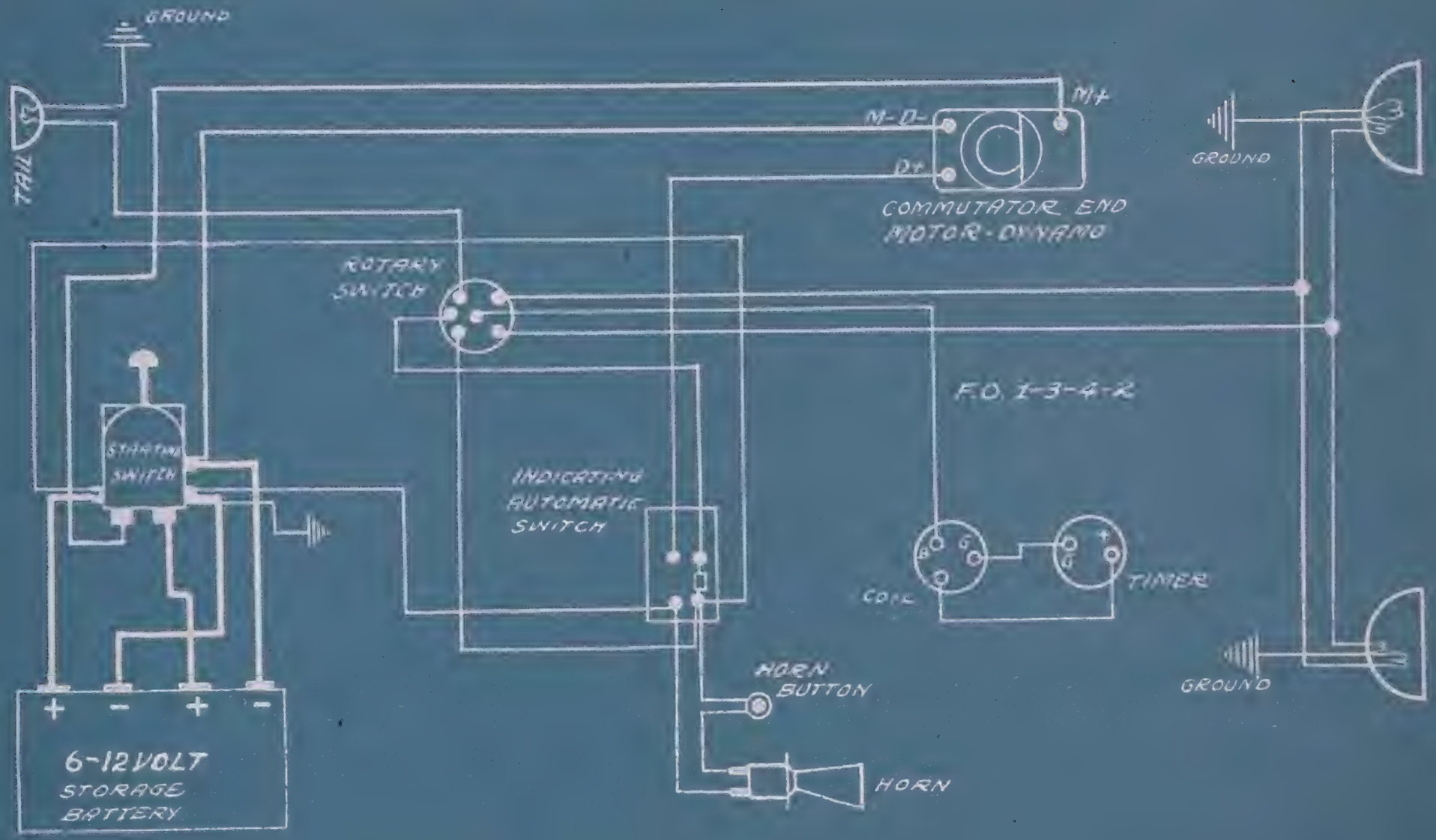
CONNECTICUT IGNITION



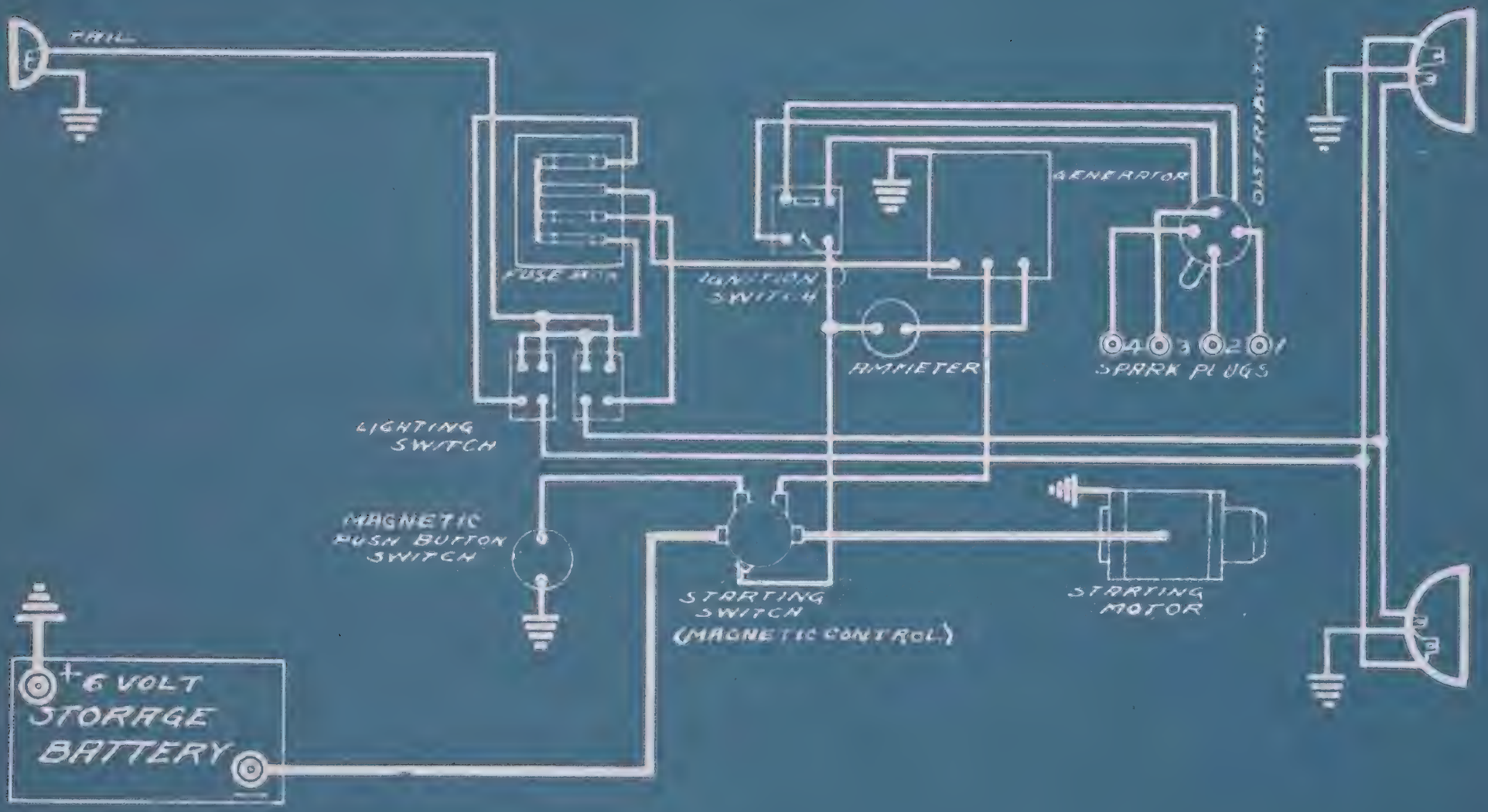
SPEEDWELL 1914 & 1915
WESTINGHOUSE SYSTEM



SPHINX 1915-1916
SPLITDORF-APELCO SYSTEM



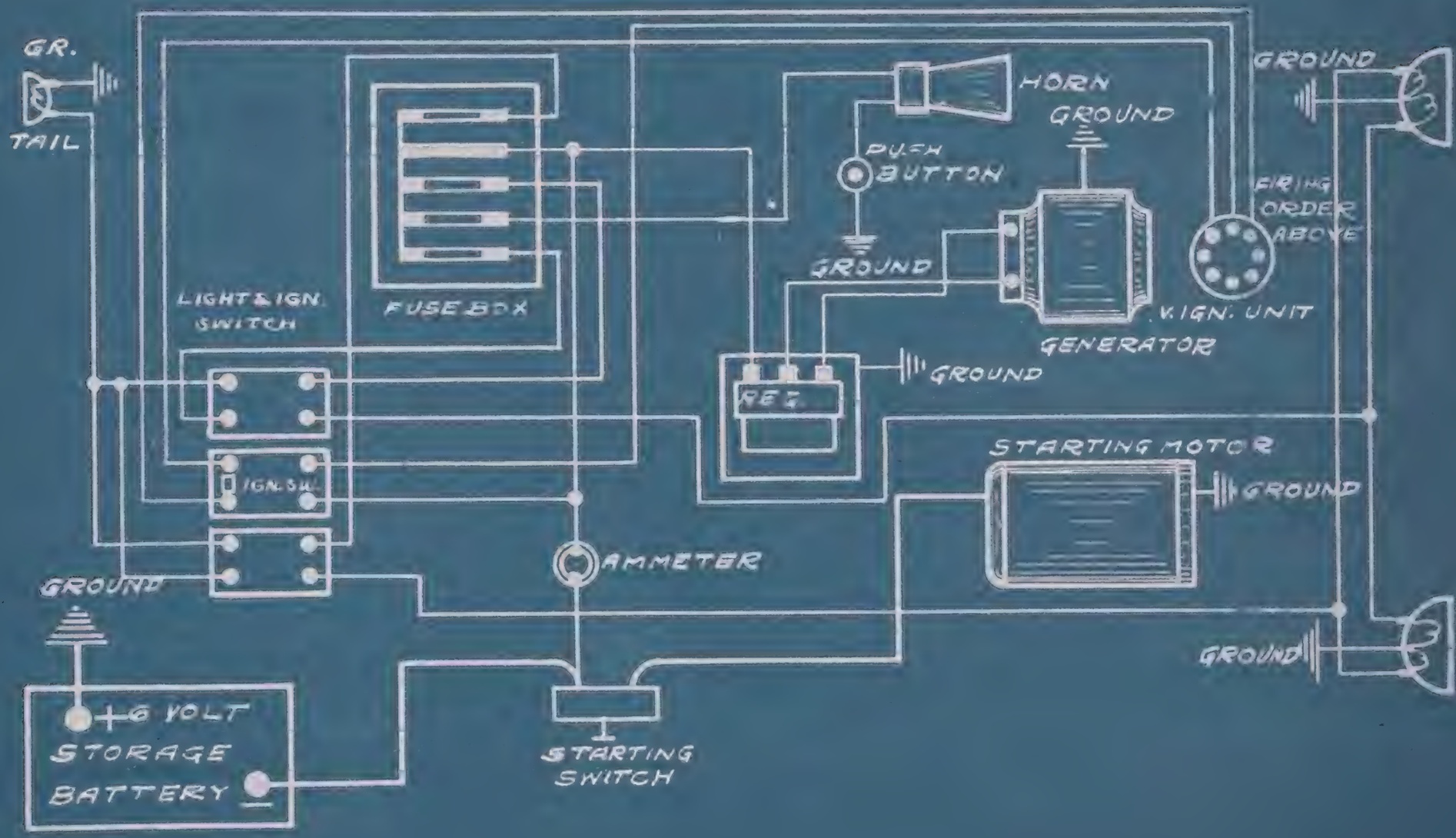
STANDARD 1915 -4-
WESTINGHOUSE SYSTEM



STANDARD 1916 "8"

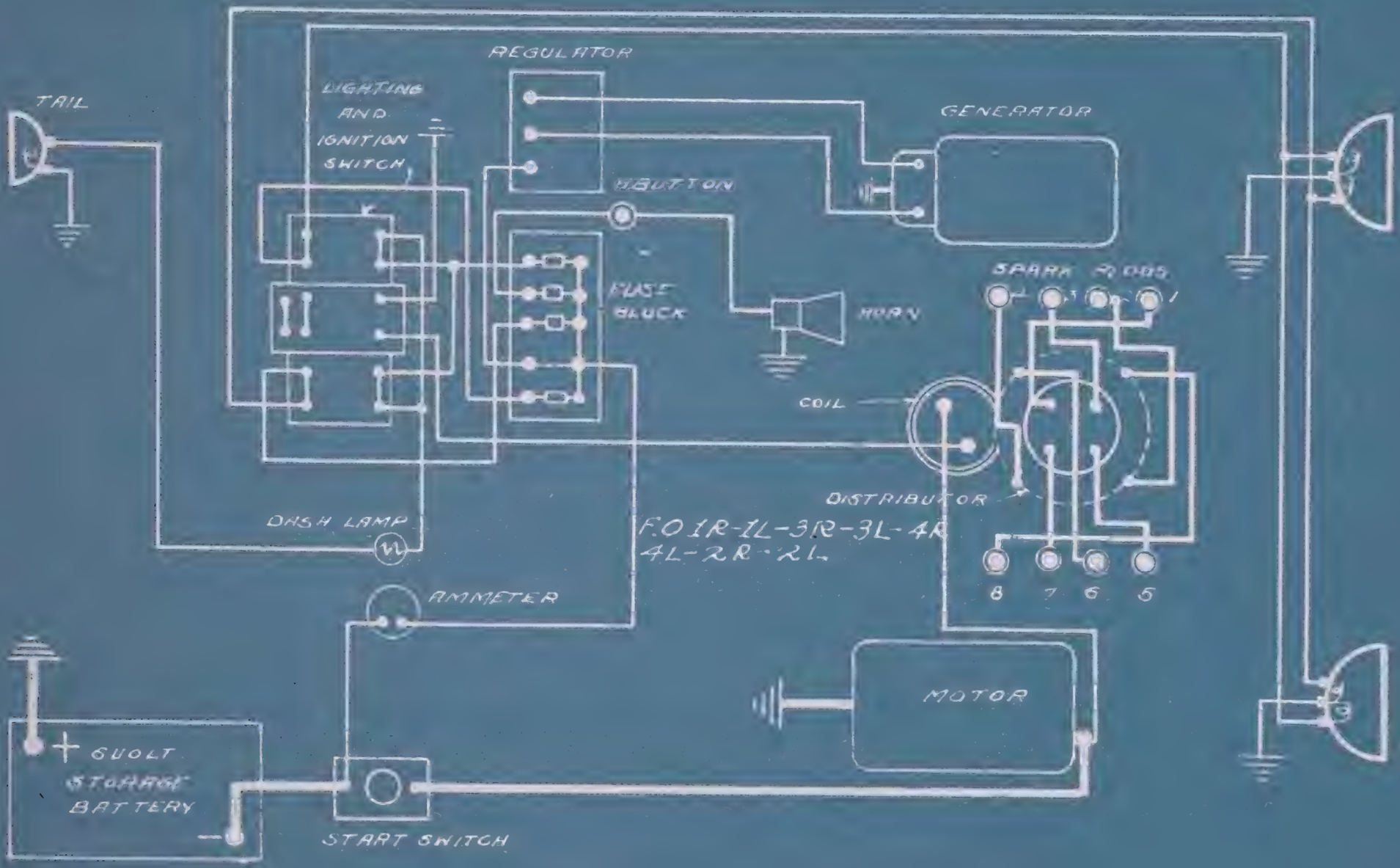
WESTINGHOUSE SYSTEM

FIRING ORDER 1R-1L-3R-3-L-4R-4L-2R-2L.



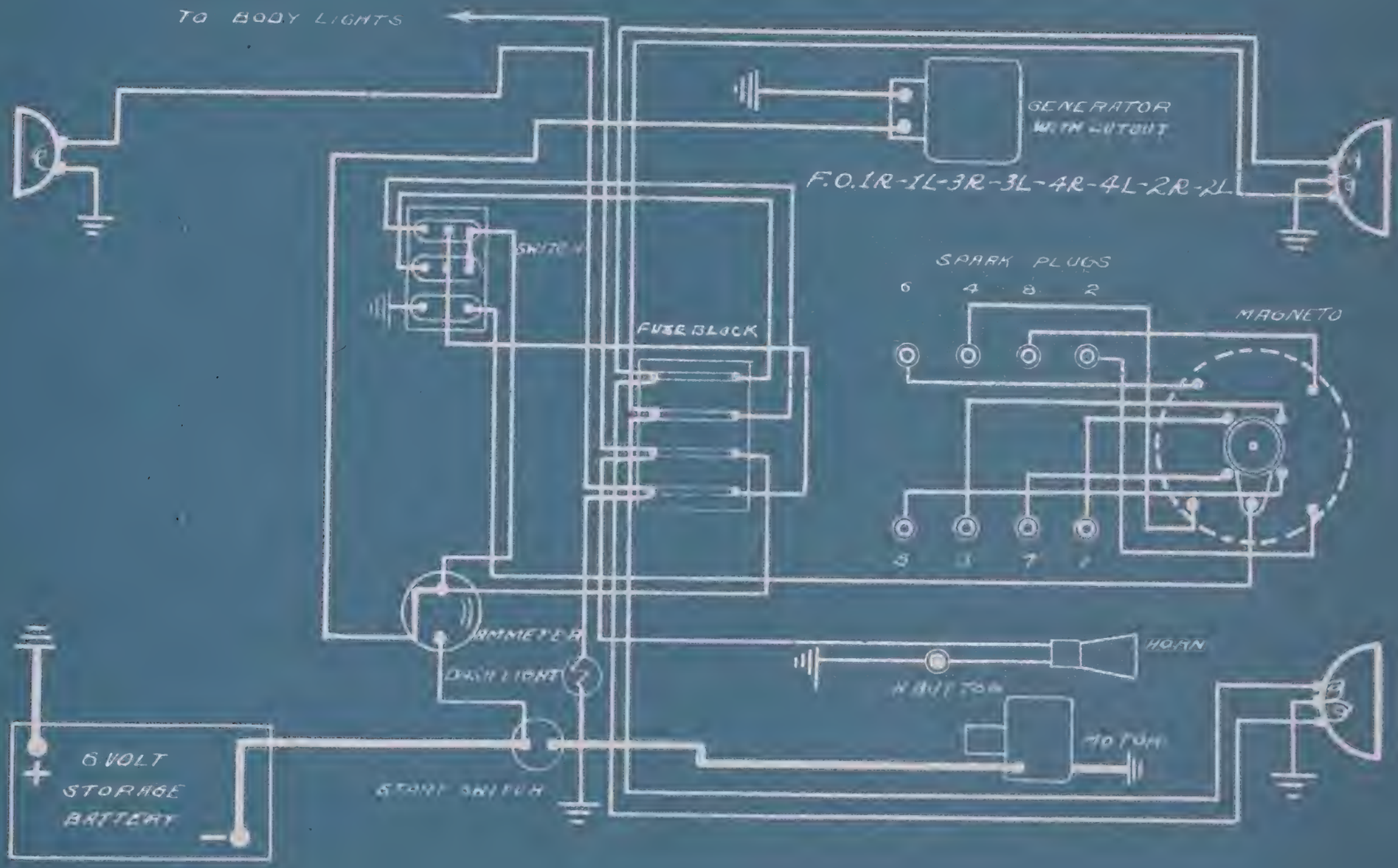
STANDARD MODEL "E" 1916-1917

WESTINGHOUSE SYSTEM



STANDARD MODEL "F" 1917

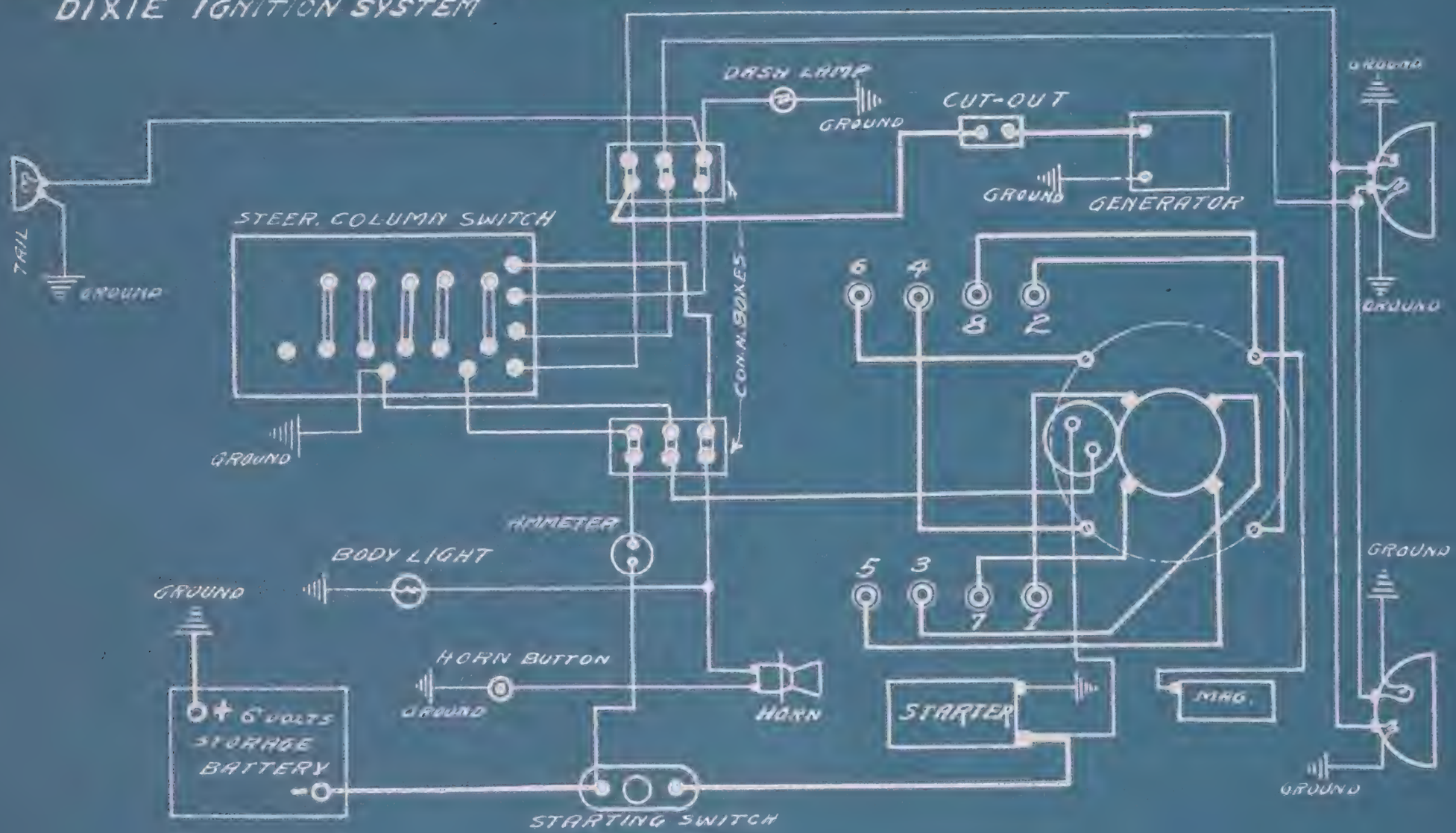
APELCO SYSTEM - DIXIE MAG. IGNITION.



STANDARD 1918-1919 MODEL "G"

WESTINGHOUSE STARTING & LIGHTING SYSTEM

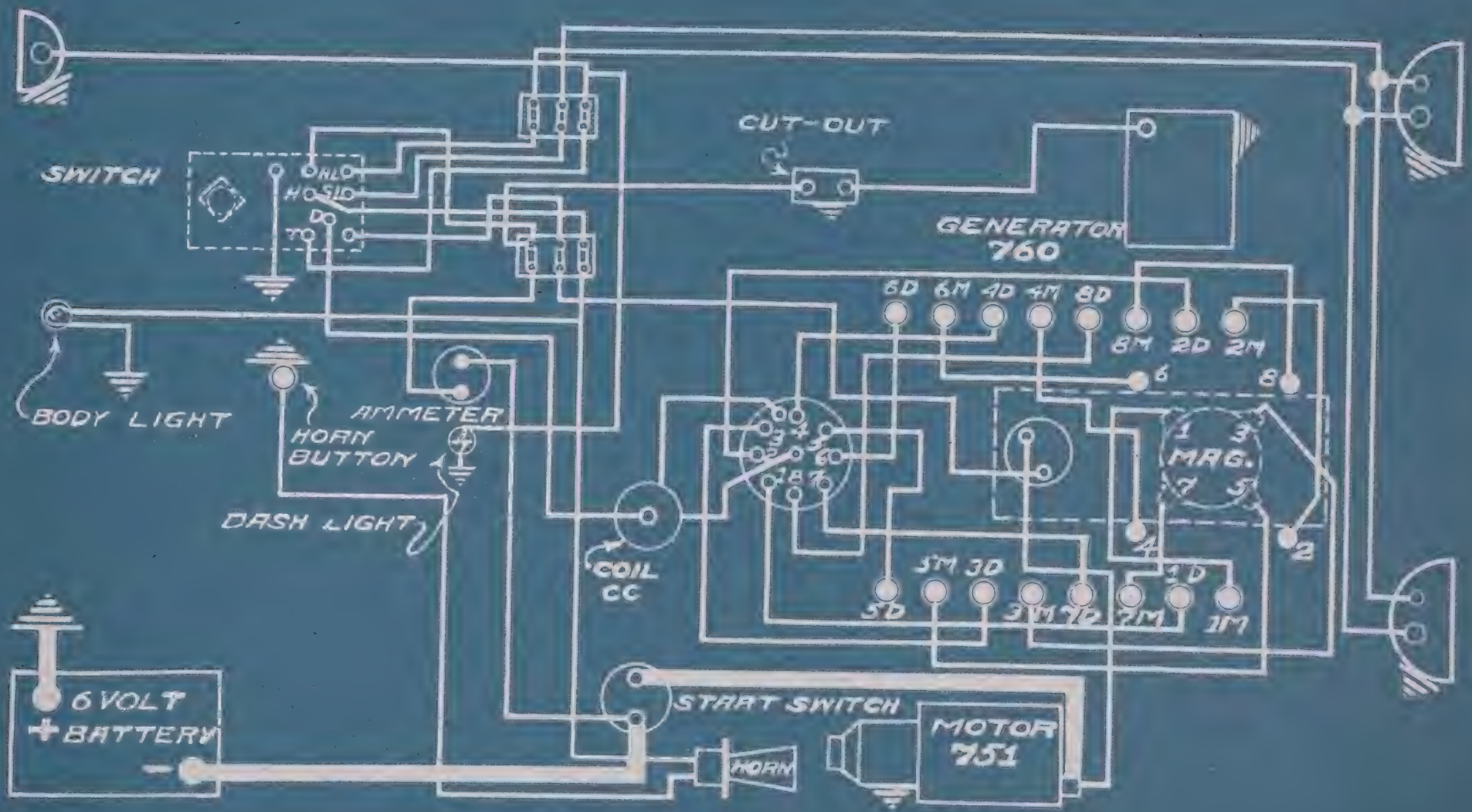
DIXIE IGNITION SYSTEM



STANDARD "H" 1919-20-21

WESTINGHOUSE SYSTEM

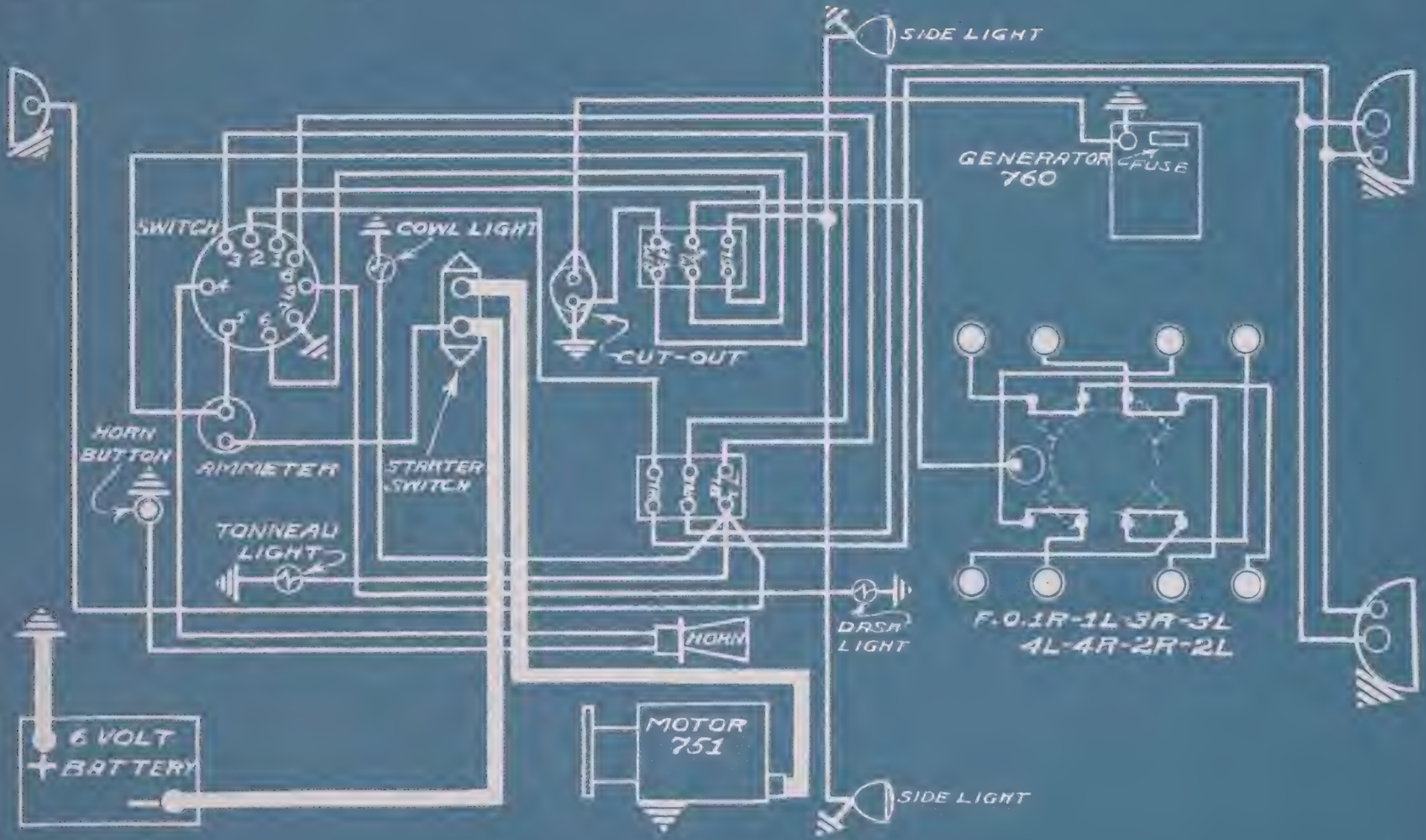
ATWATER-KENT & DIXIE MAG. IGN.



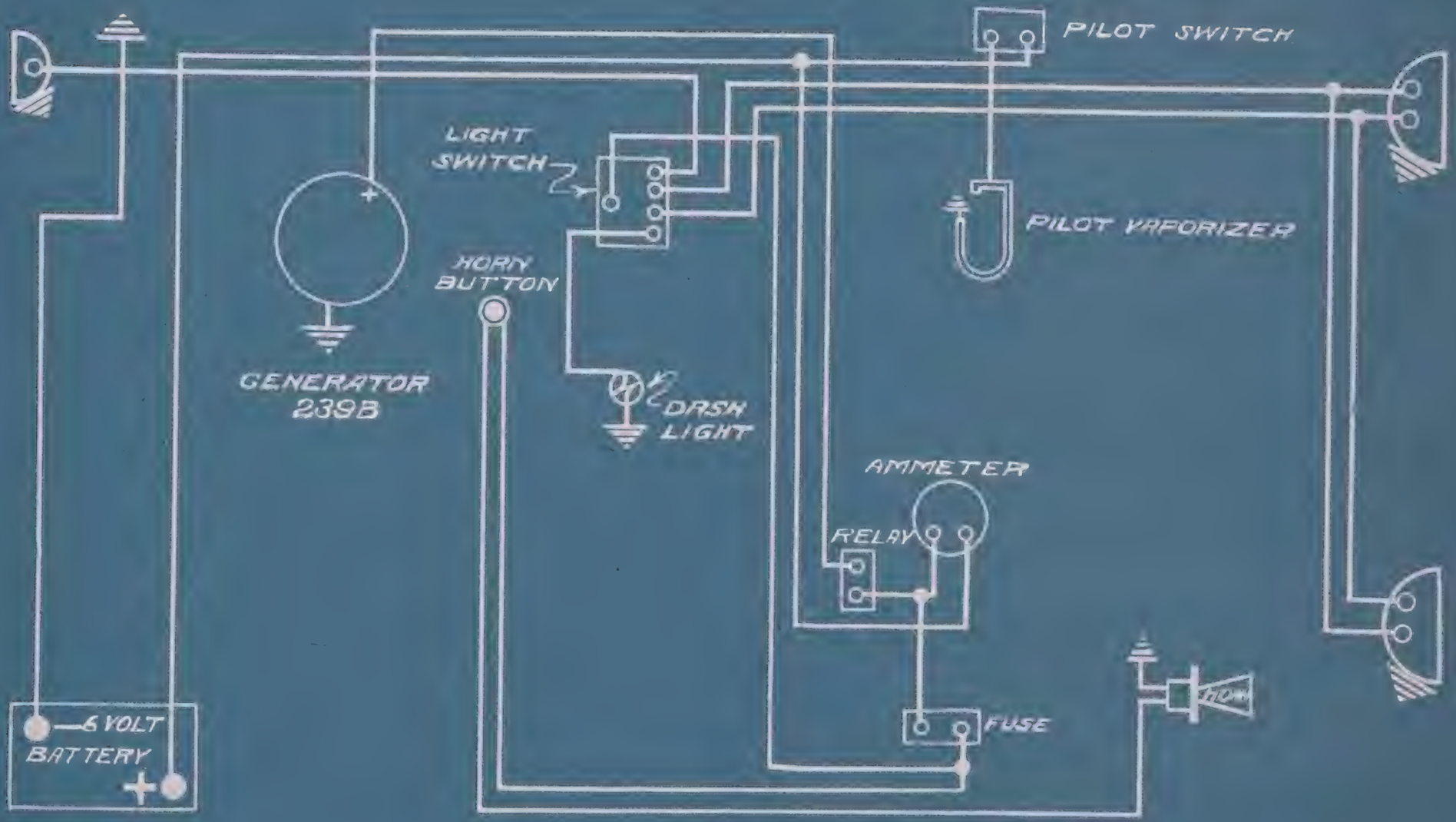
STANDARD "8" 1922

WESTINGHOUSE SYSTEM

SPLITDORF MAG.

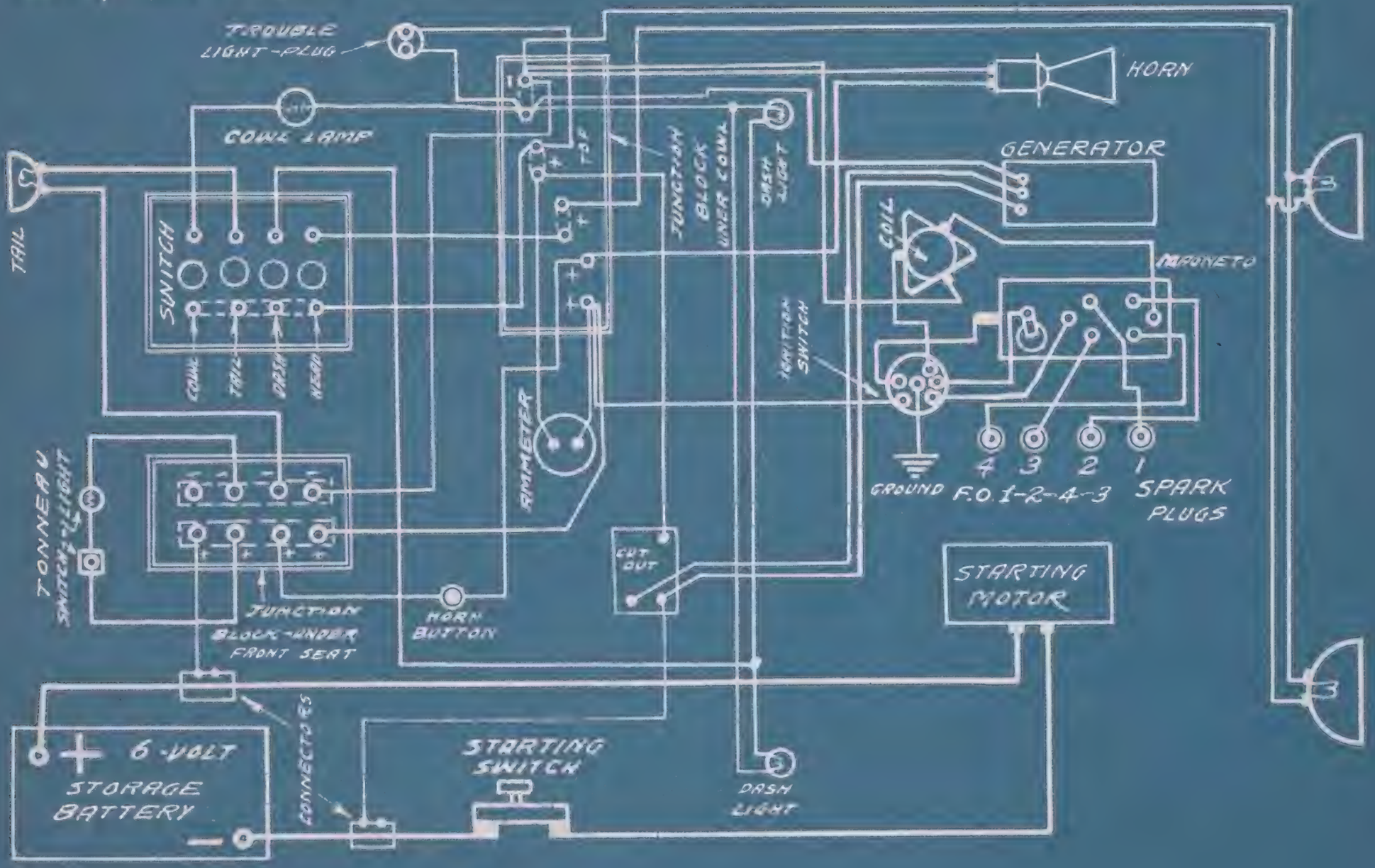


STANLEY "735" 1919-20-21-22
REMY SYSTEM



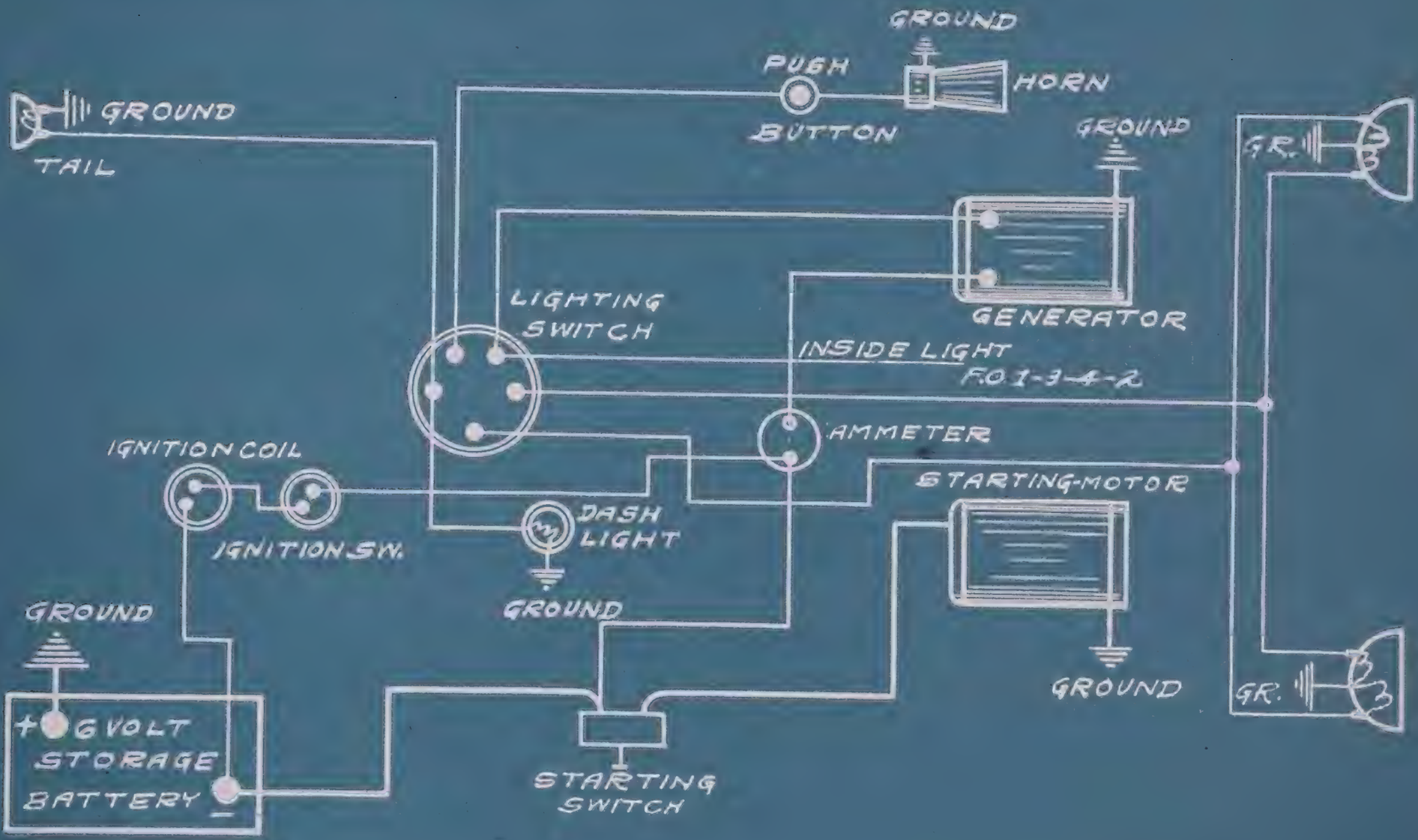
STEARNS 1913 "4" & "6"

GRAY & DAVIS SYSTEM



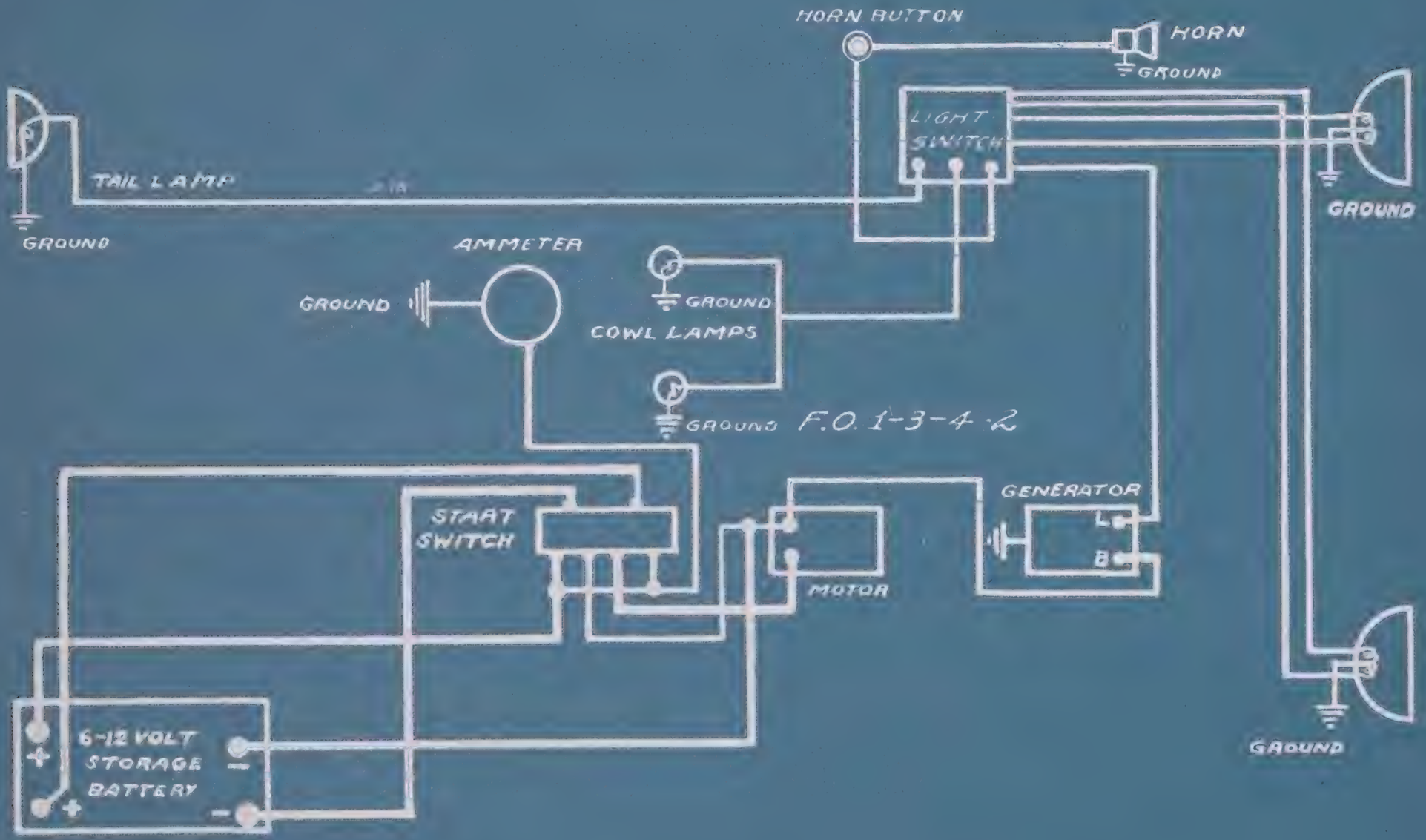
STEARNS-KNIGHT 1914 "4"

WESTINGHOUSE SYSTEM



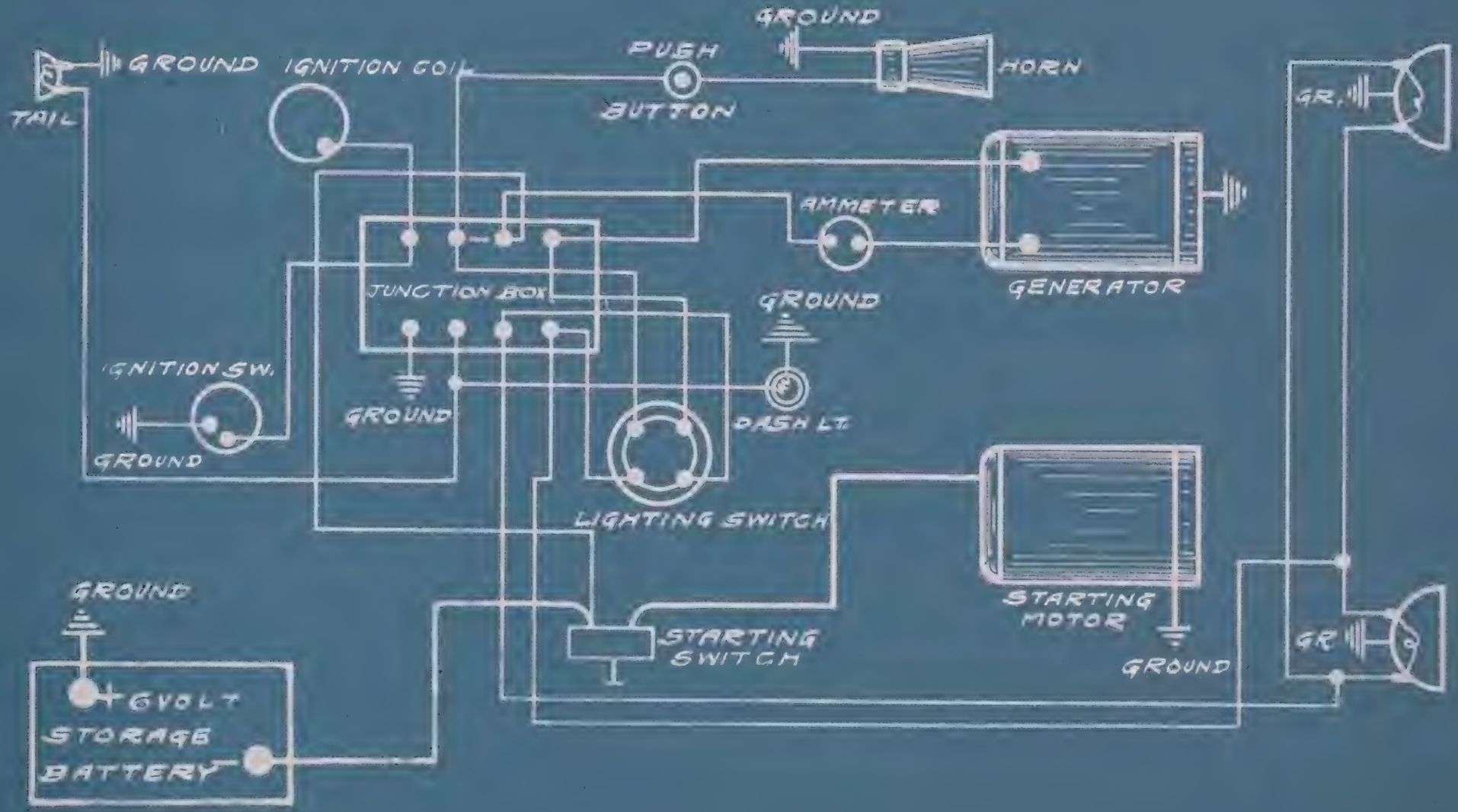
STEARNS-KNIGHT "LIGHT FOUR" 1915

GRAY AND DAVIS SYSTEM



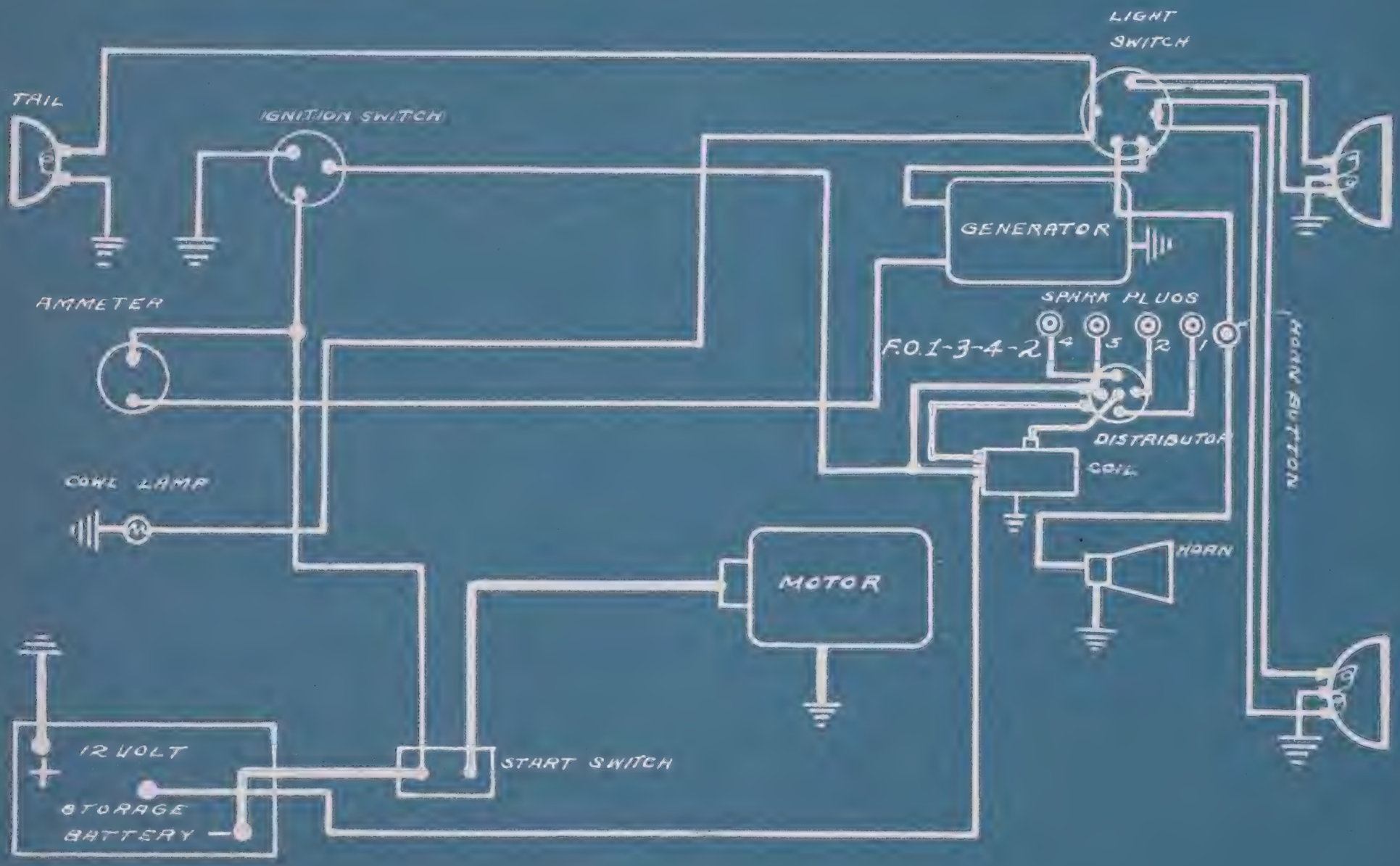
STEARNS-KNIGHT 1916 "8"

WESTINGHOUSE SYSTEM



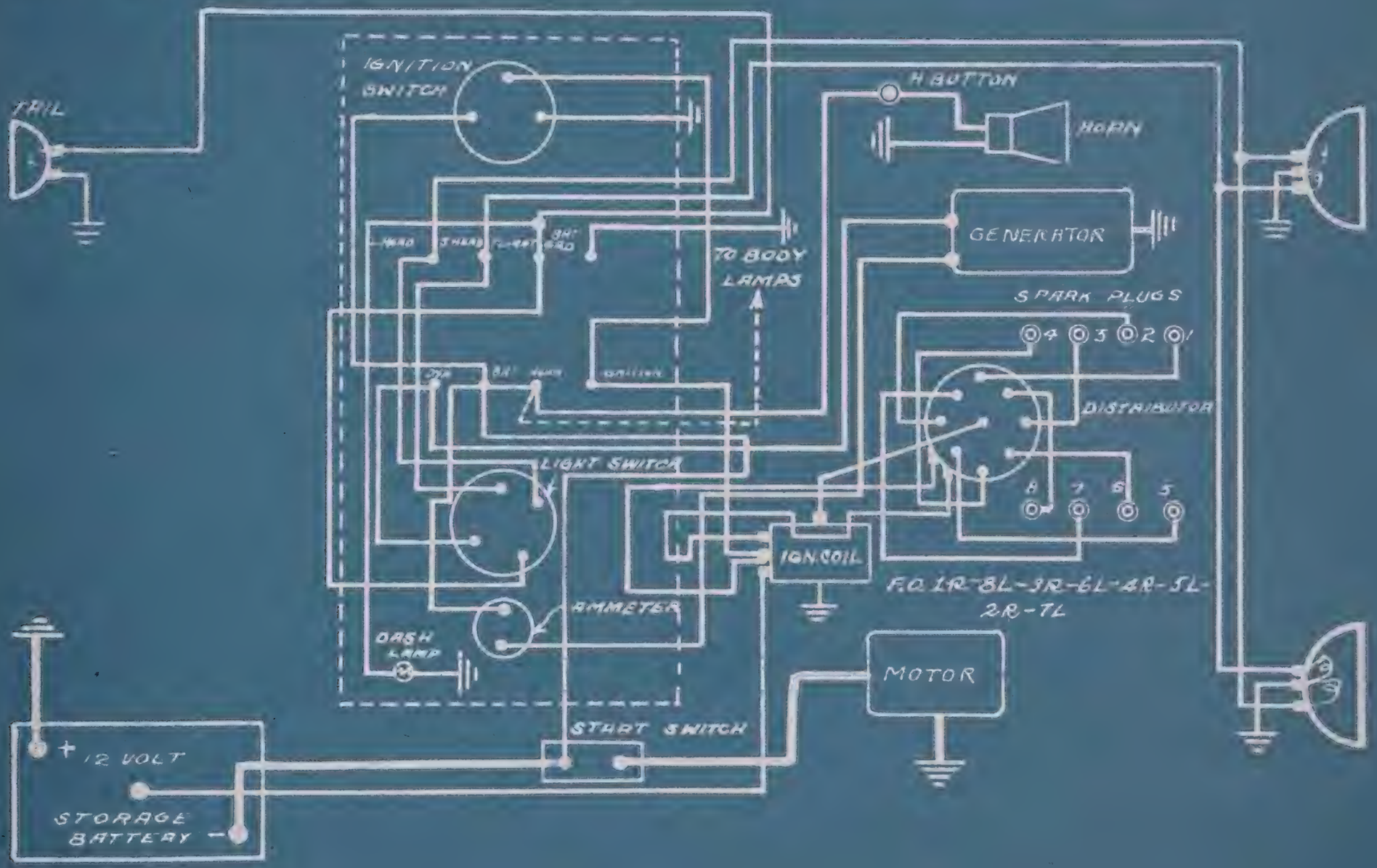
STEARNS-KNIGHT MODEL SKL-4 1916-1917

WESTINGHOUSE LIGHTING & STARTING SYSTEM
REMY IGNITION SYSTEM



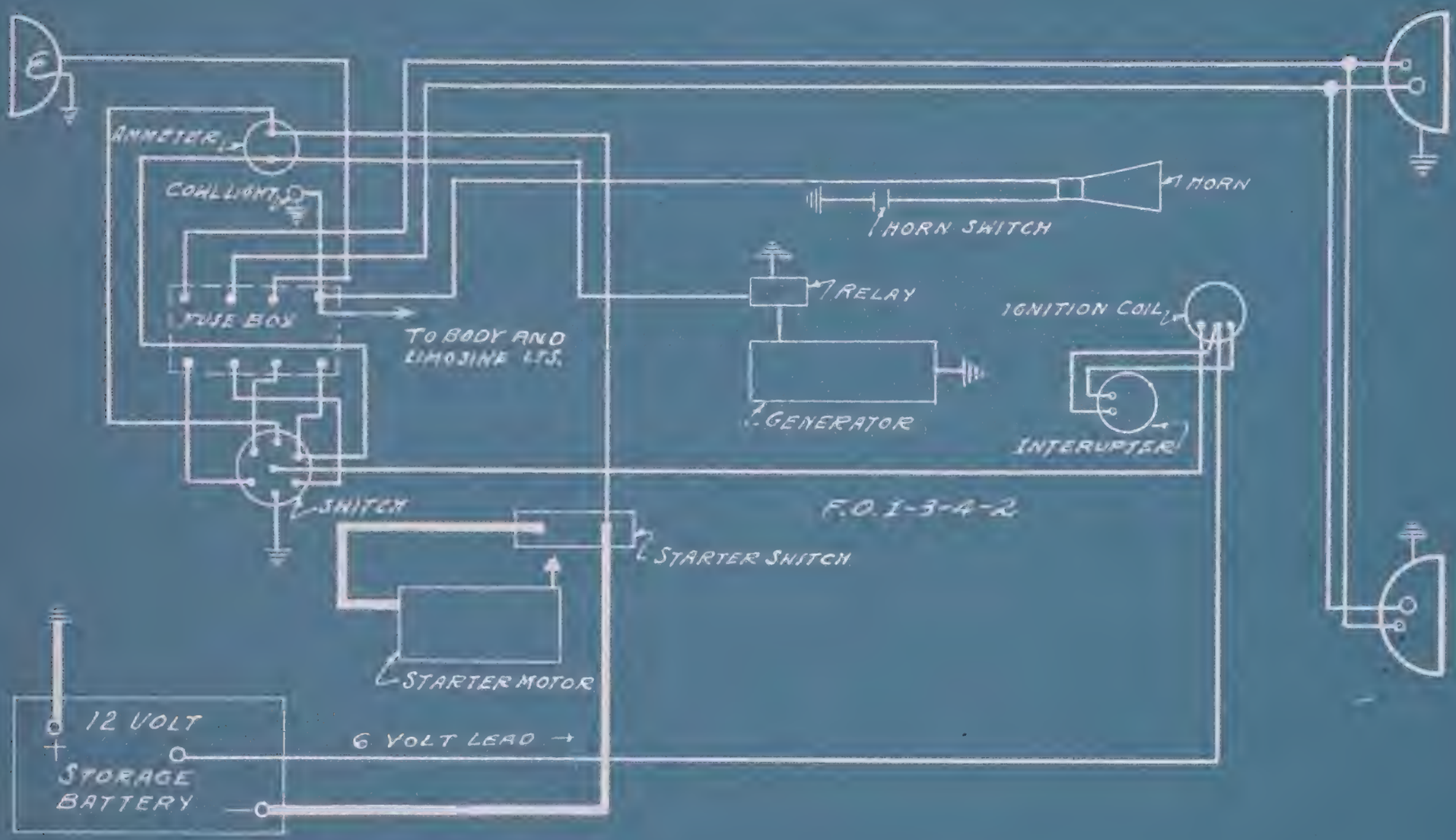
STEARNS-KNIGHT 1916-1917-1918 MODEL S-K-8

WESTINGHOUSE LIGHTING & STARTING SYSTEM.
REMY IGNITION SYSTEM.



STEARNS-KNIGHT "S.K.L.4" 1918-1919

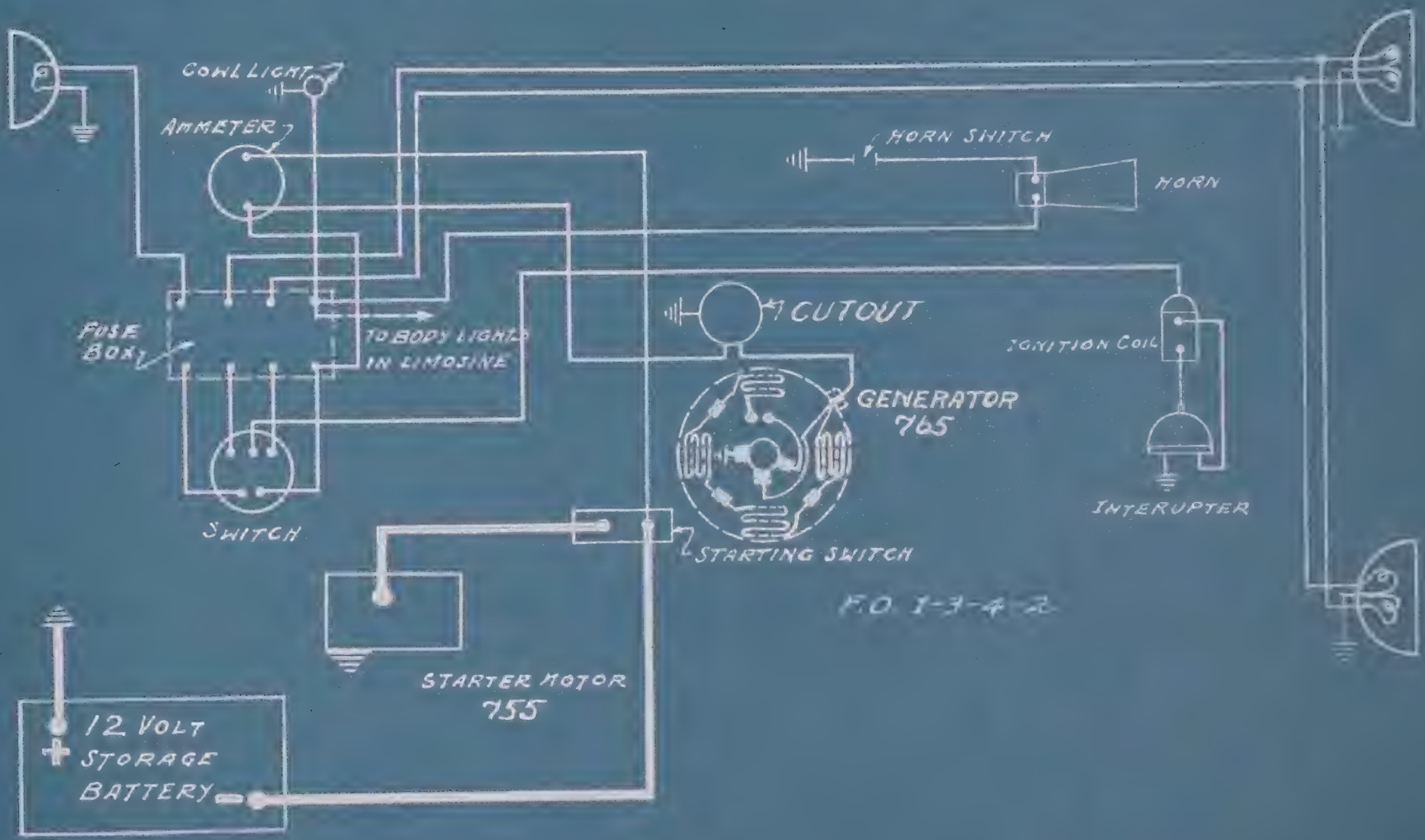
REMY STARTING, LIGHTING AND IGNITION SYSTEM



STEARNS-KNIGHT SKL4. 1920-21-22

ATWATER KENT IGNITION

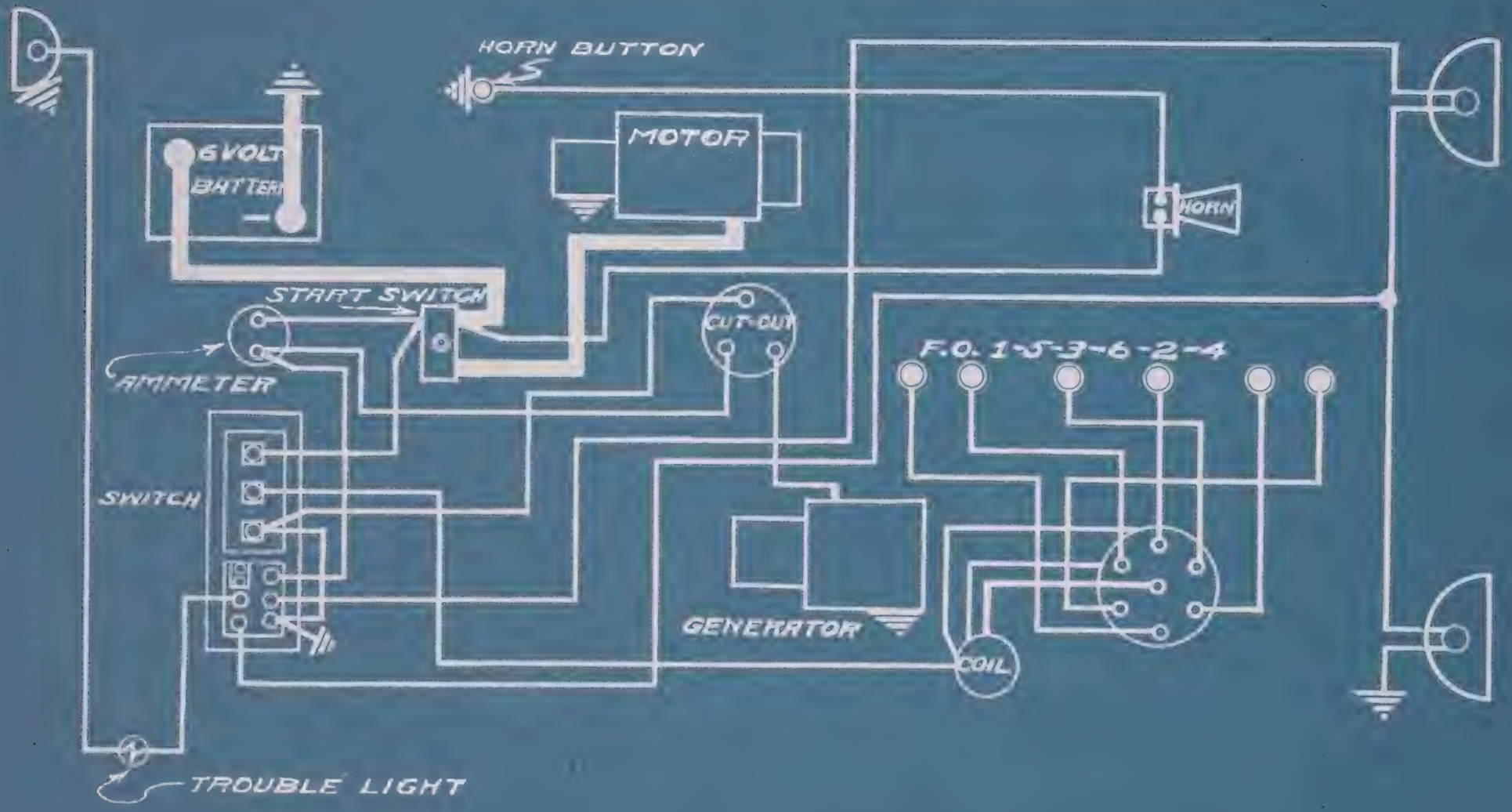
WESTINGHOUSE STG. & LTG.



STEPHENS "65" 1917

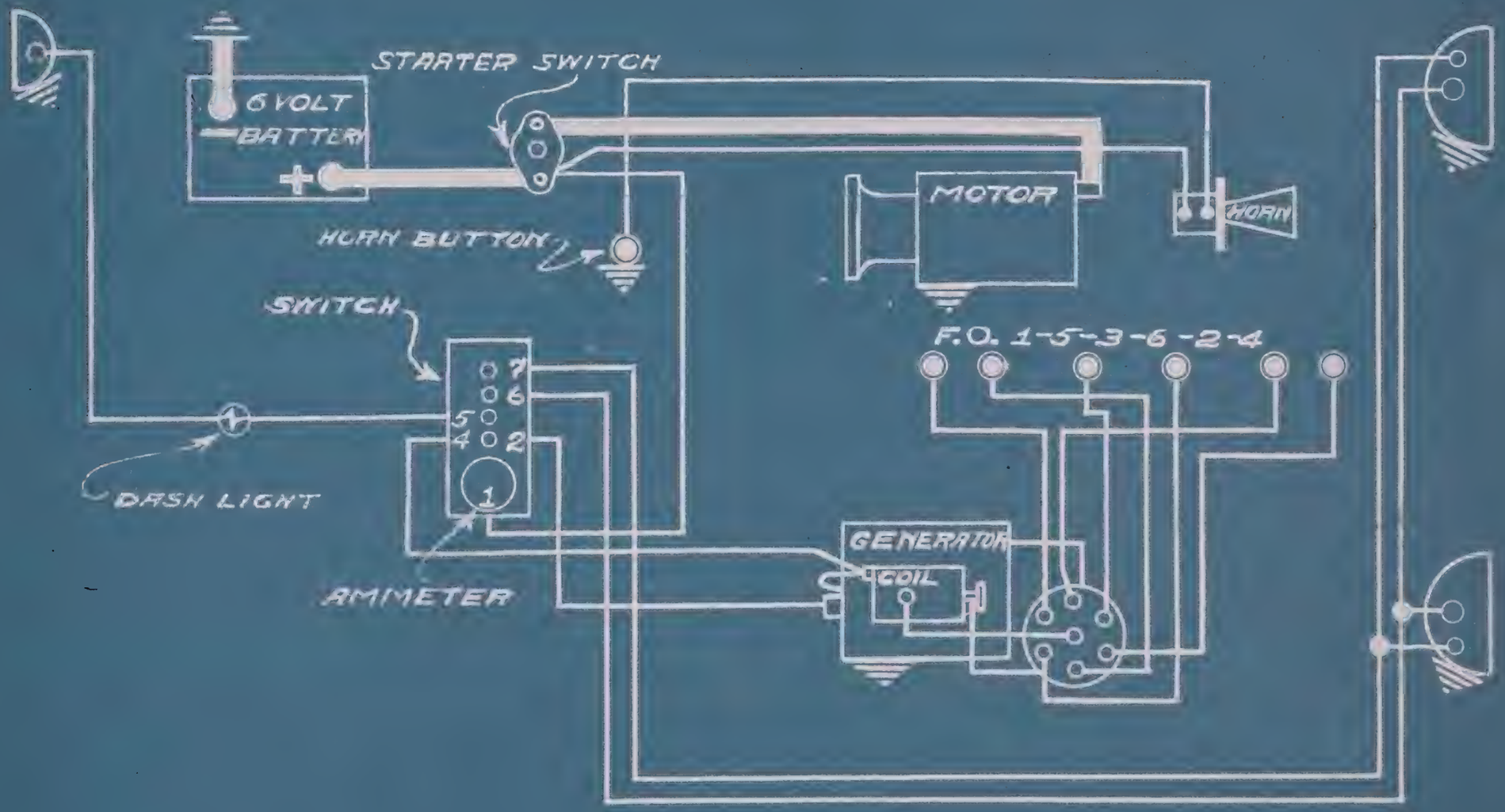
AUTO-LITE SYSTEM

CONN. IGN.



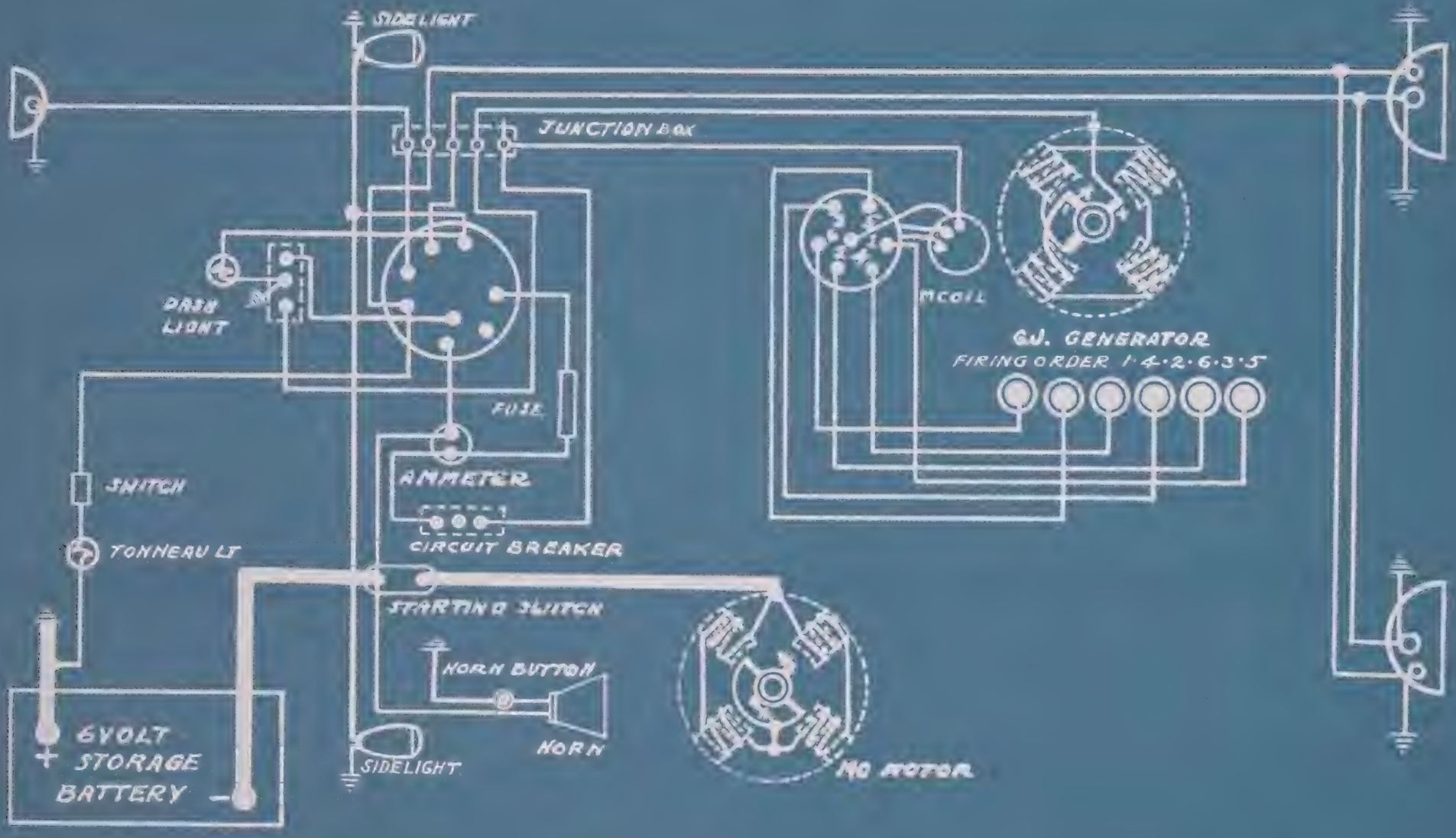
STEPHENS "60-65" 1917, "70-78" 1918-19

DELCO SYSTEM



STEPHENS "80" 1919-20-21

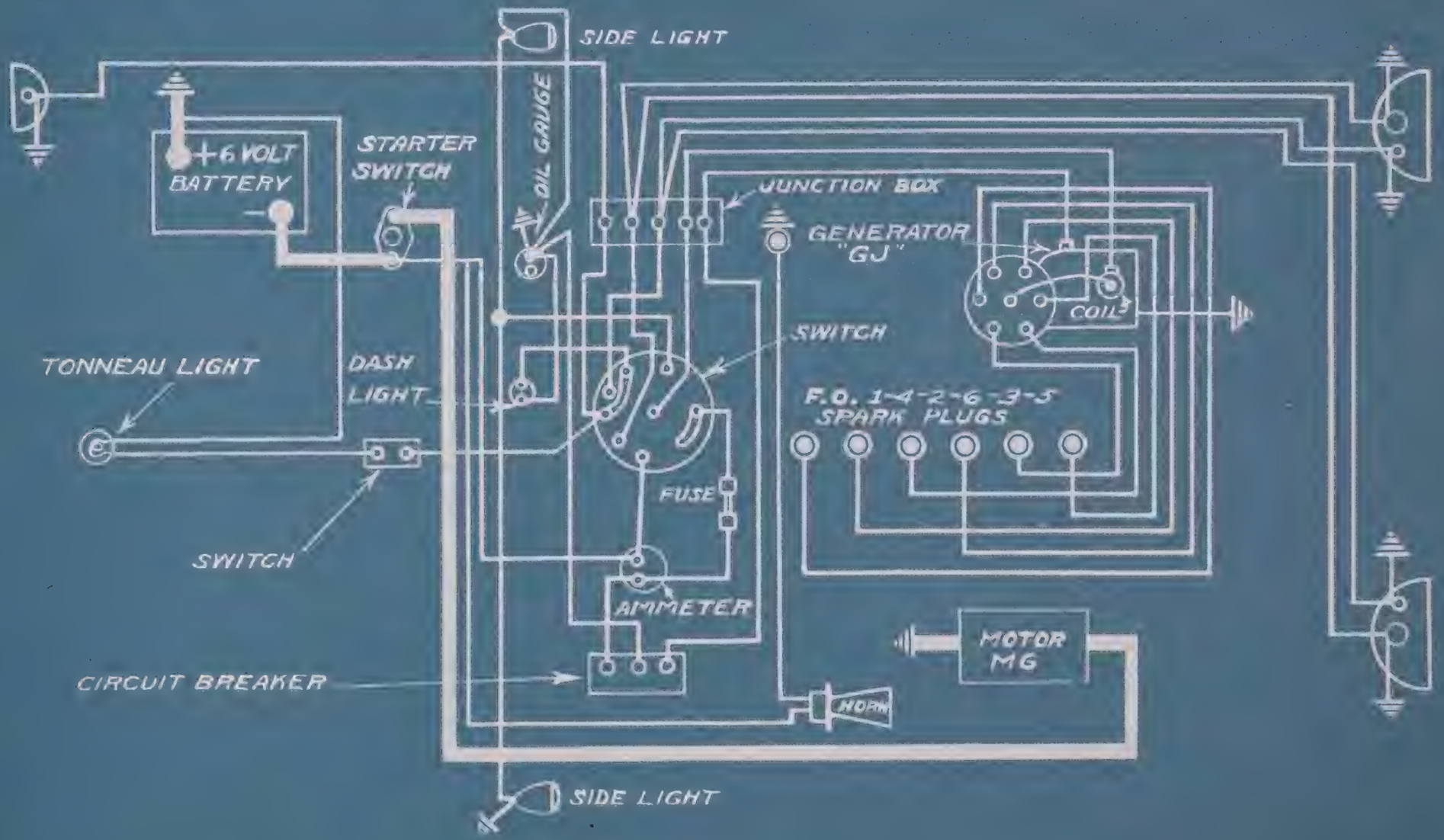
AUTO-LITE SYSTEM - CONN. IGN.



STEPHENS "SERIES 90" 1922

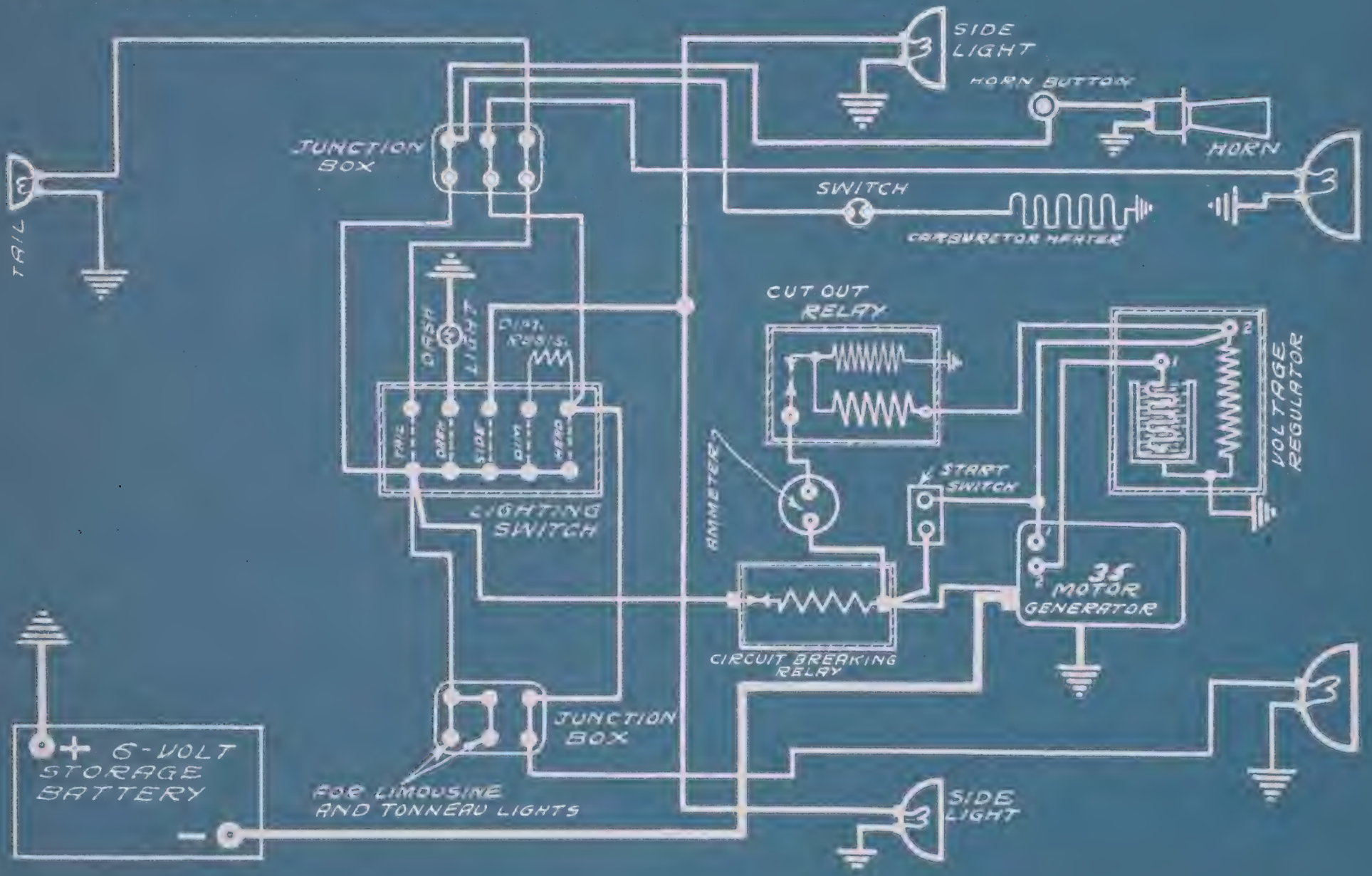
AUTO-LITE SYSTEM

CONNECTICUT IGN.



STEVENS-DURYEA 1915 D-6

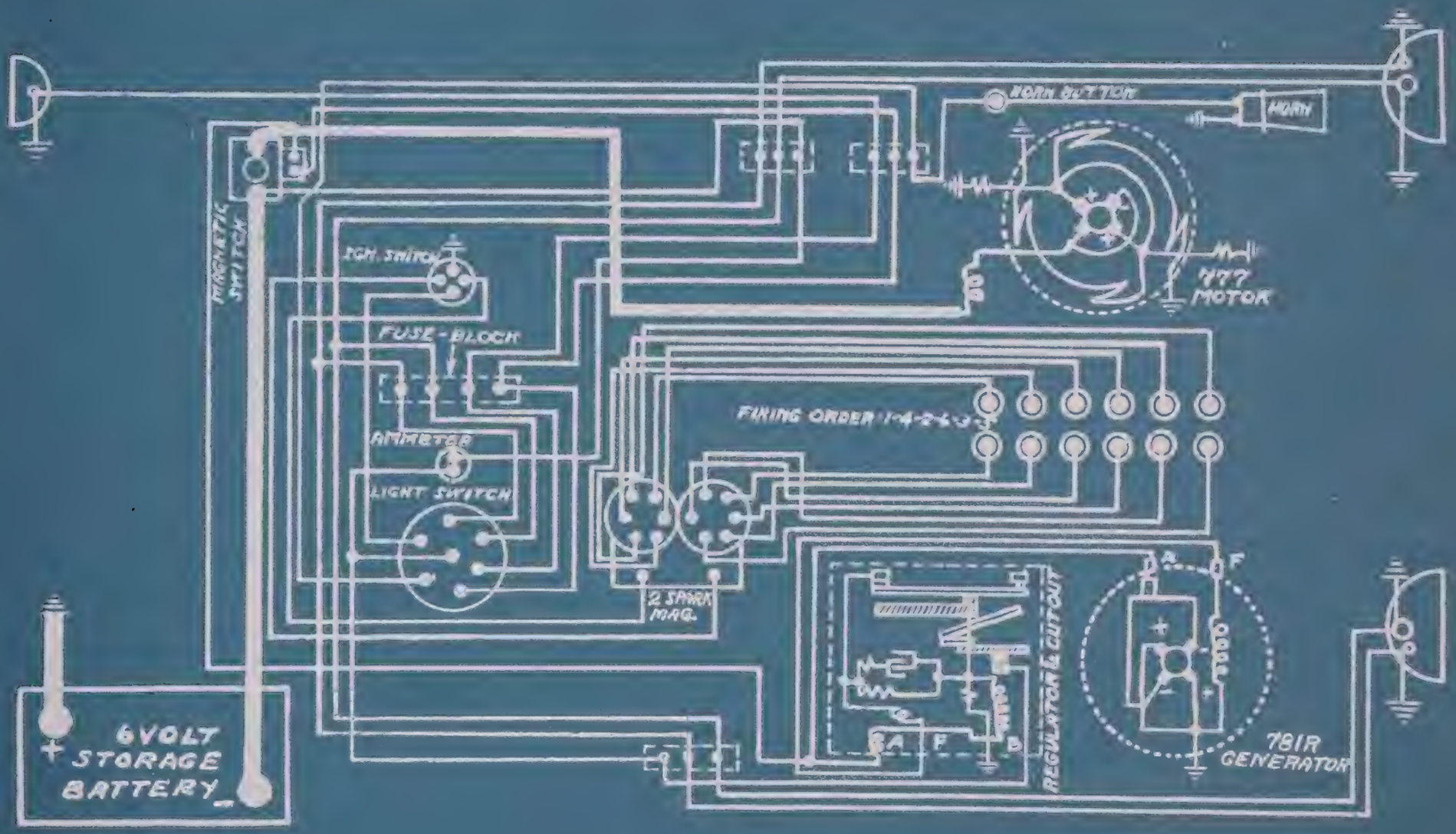
DELCO SYSTEM



STEVENS-DURYEA "E" 1920-1921-1922

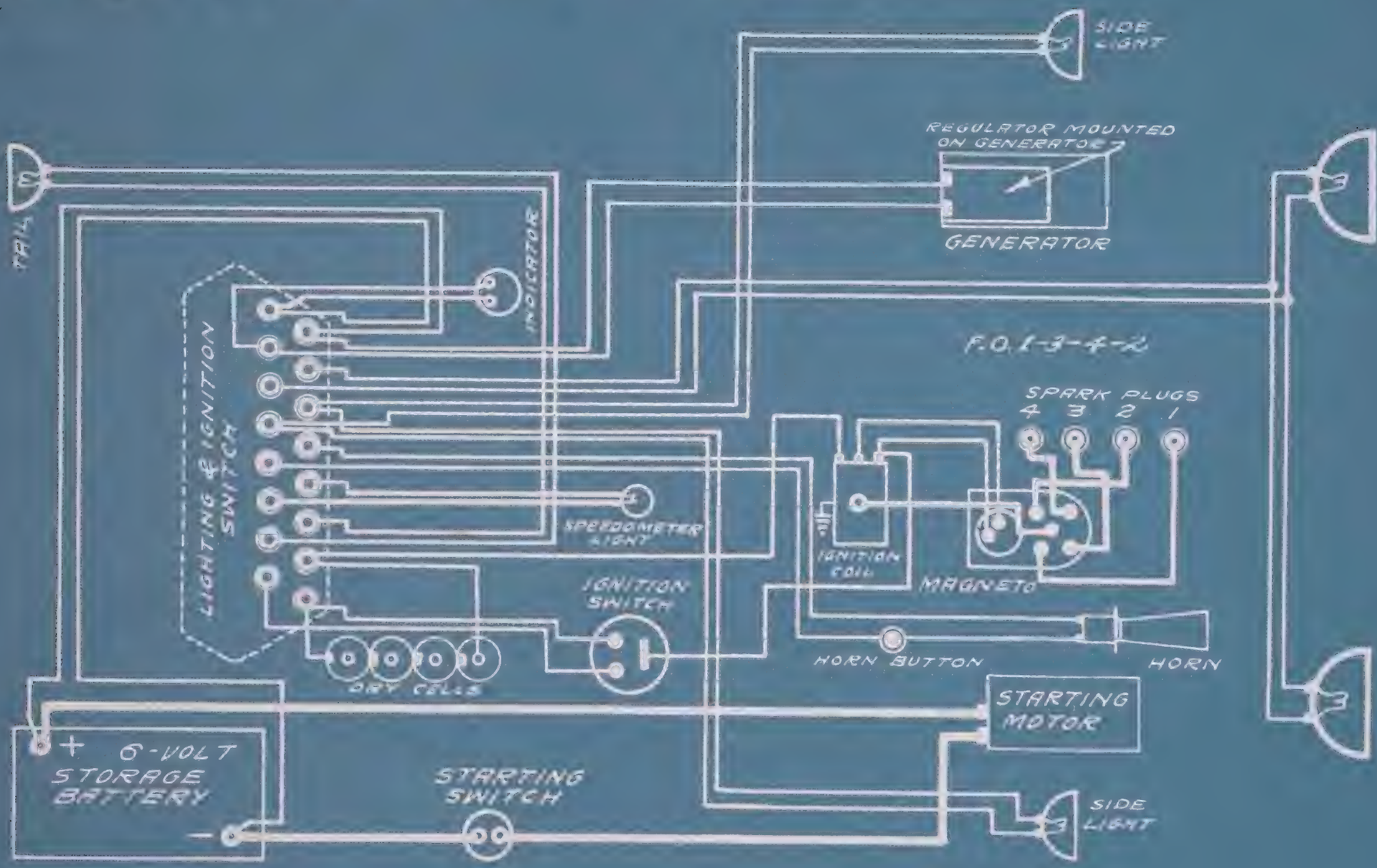
WESTINGHOUSE SYSTEM

BERLING DUAL MAG. IGN.



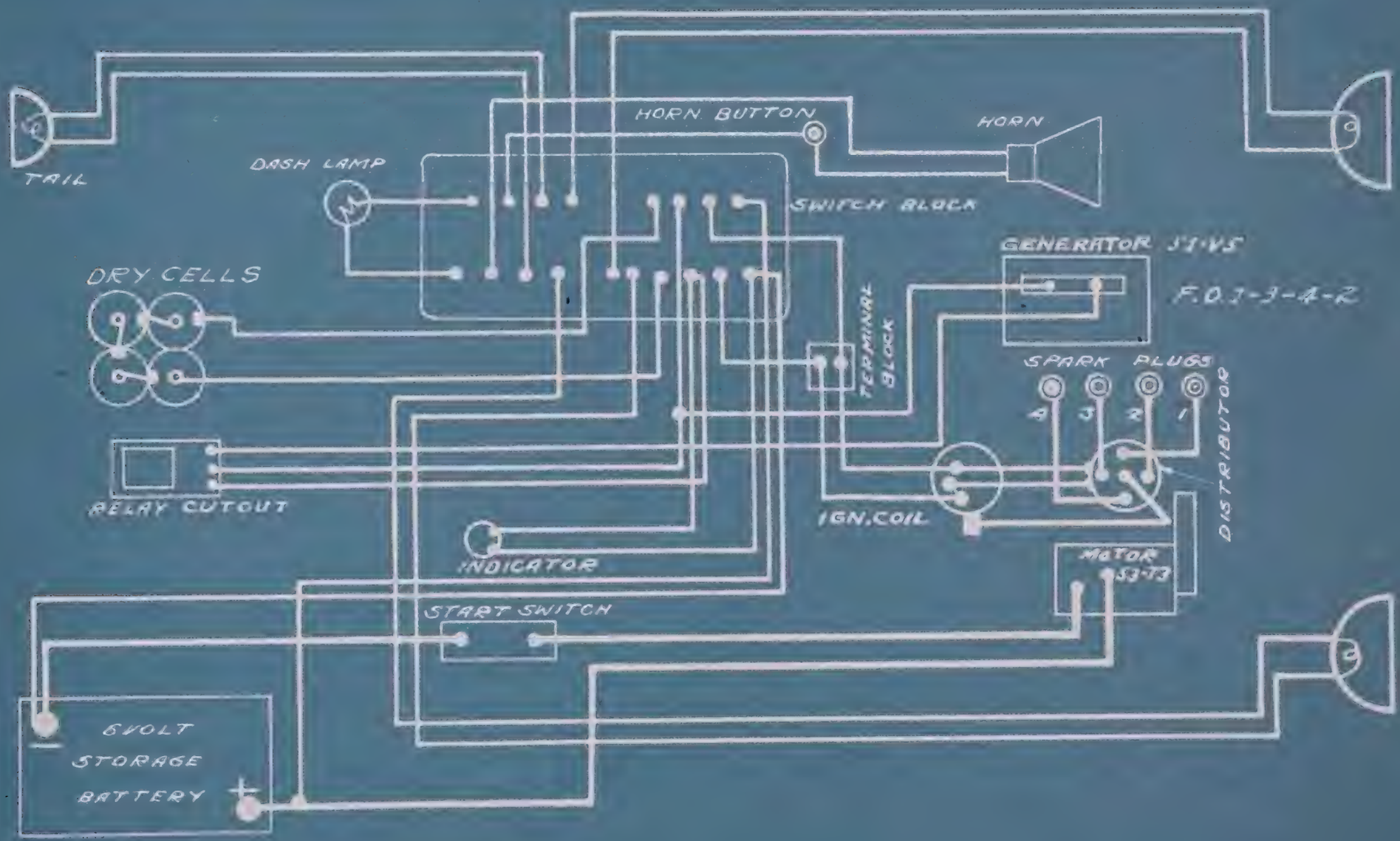
STUDEBAKER 1914 FOUR

WAGNER SYSTEM



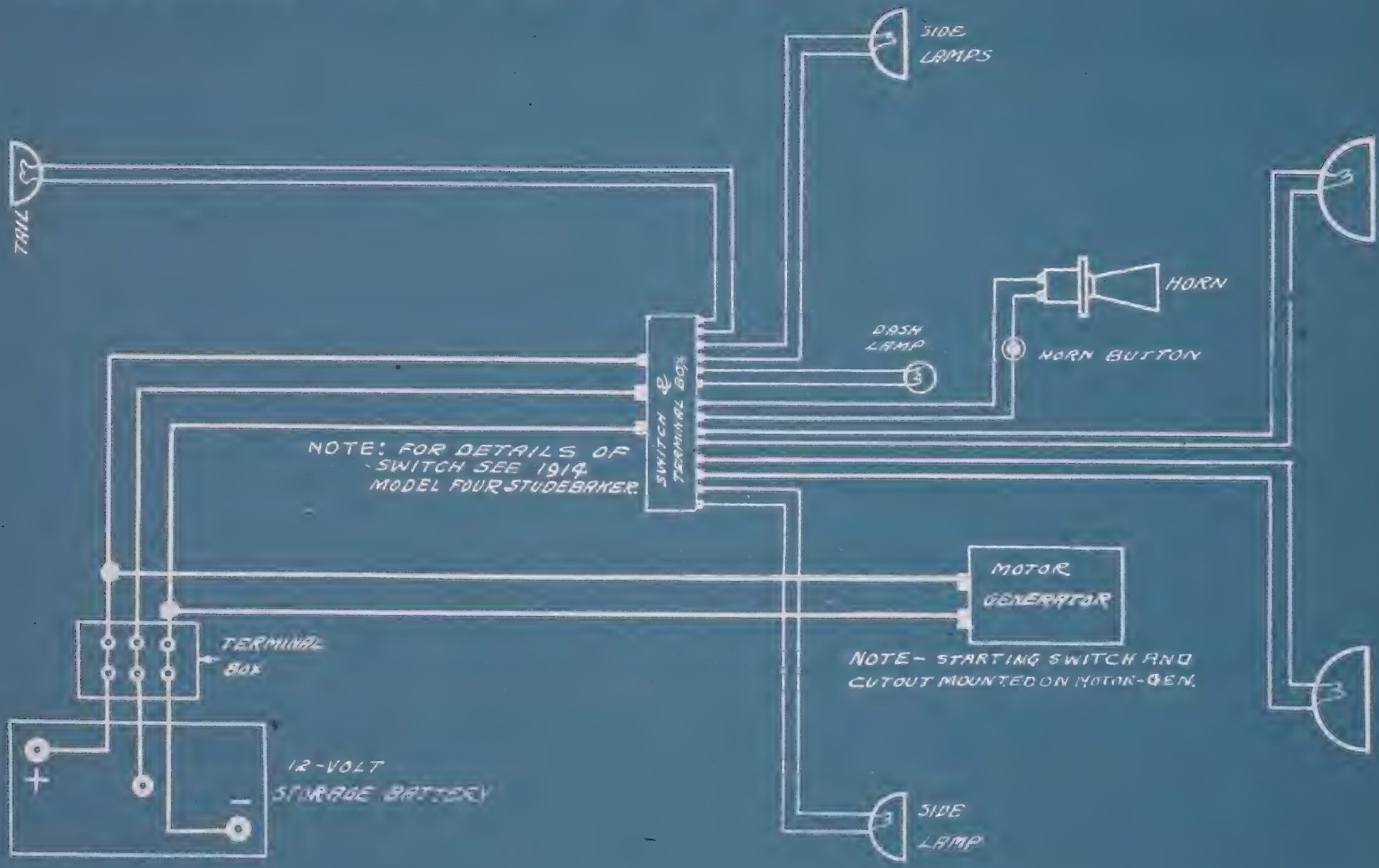
STUDEBAKER 1915 EC-SD-5

WAGNER SYSTEM – REMY IGN.



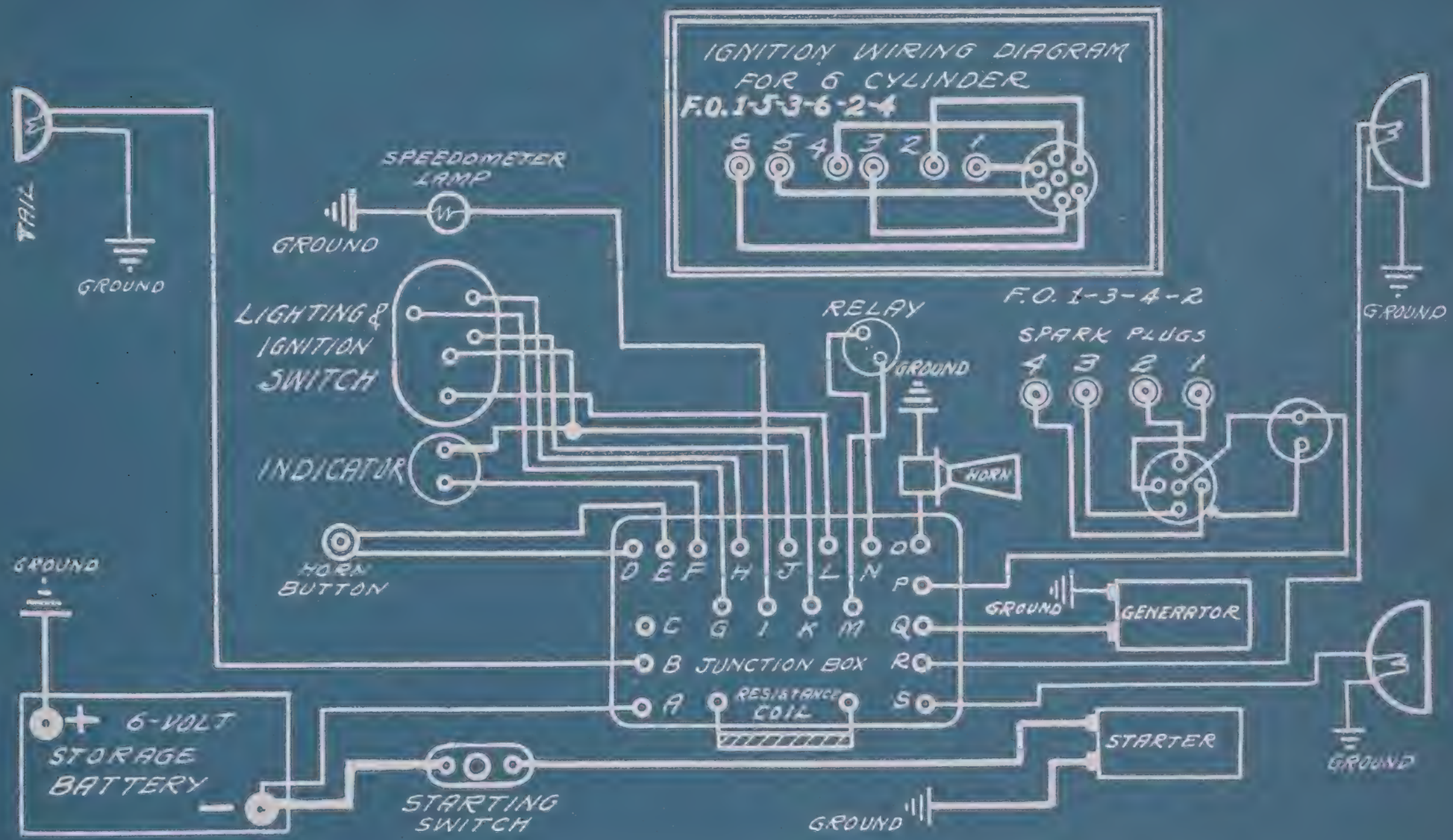
STUDEBAKER 1915 MODEL 35-E6

WAGNER SYSTEM



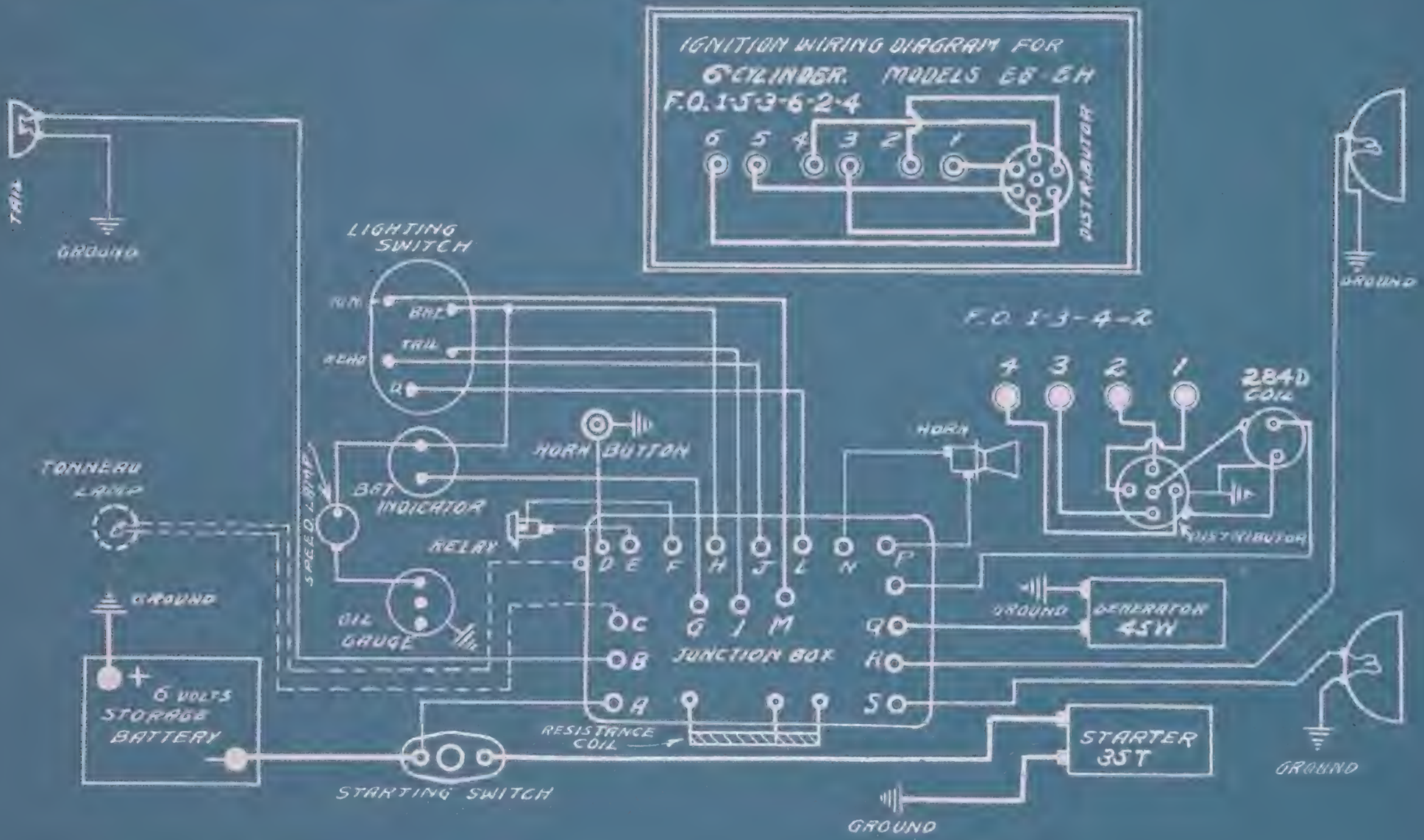
STUDEBAKER 1916-17 "SERIES 17 & 18"

WAGNER SYSTEM - REMY IGN.



STUDEBAKER MODELS "SH" "EG" "EH" 1918-1919.

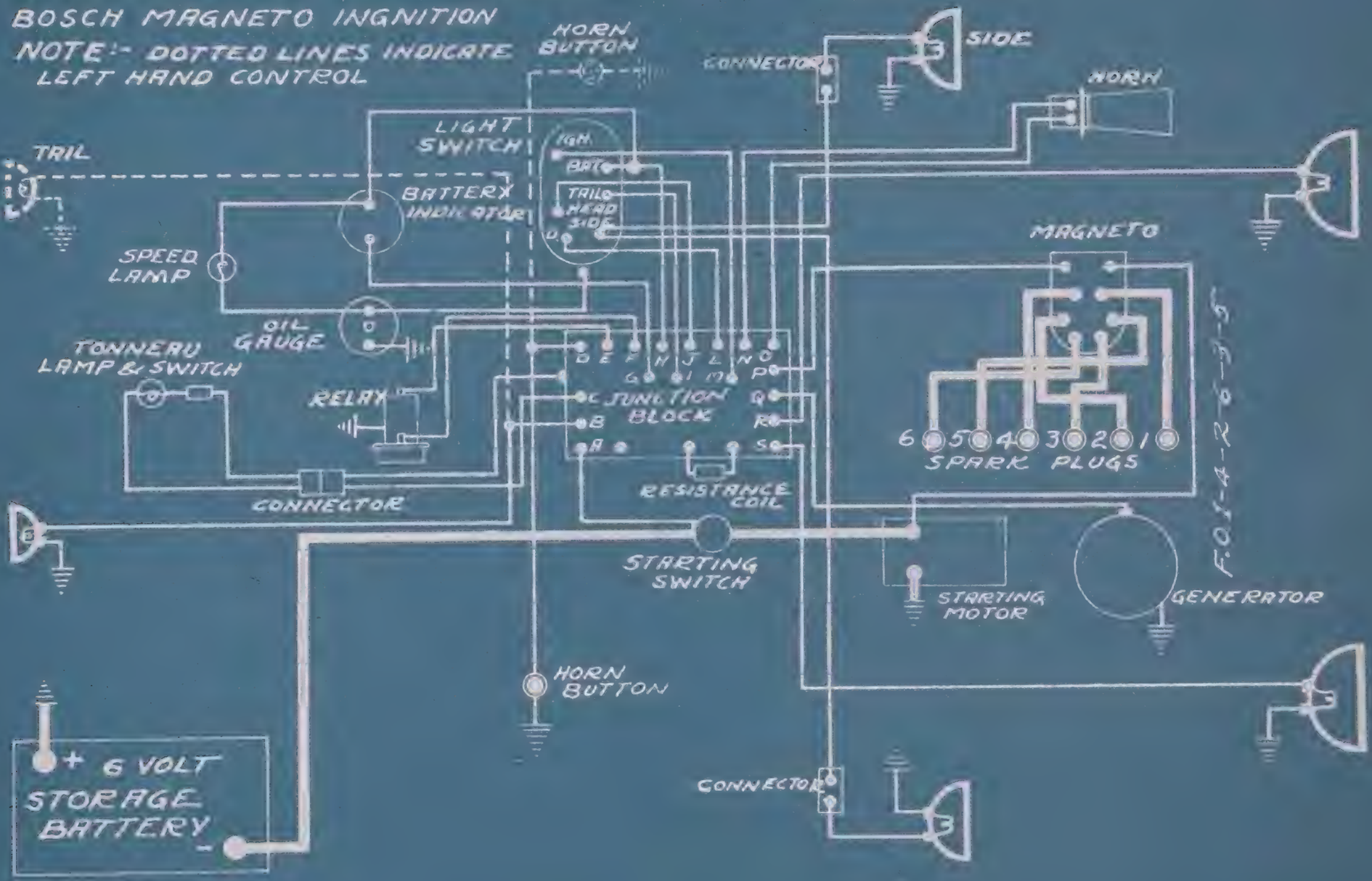
WAGNER STARTING & LIGHTING SYSTEM
REMY CLOSED CIRCUIT IGNITION SYSTEM



STUDEBAKER "SERIES 20" 1920

WAGNEE STARTING AND LIGHTING
BOSCH MAGNETO INGNITION

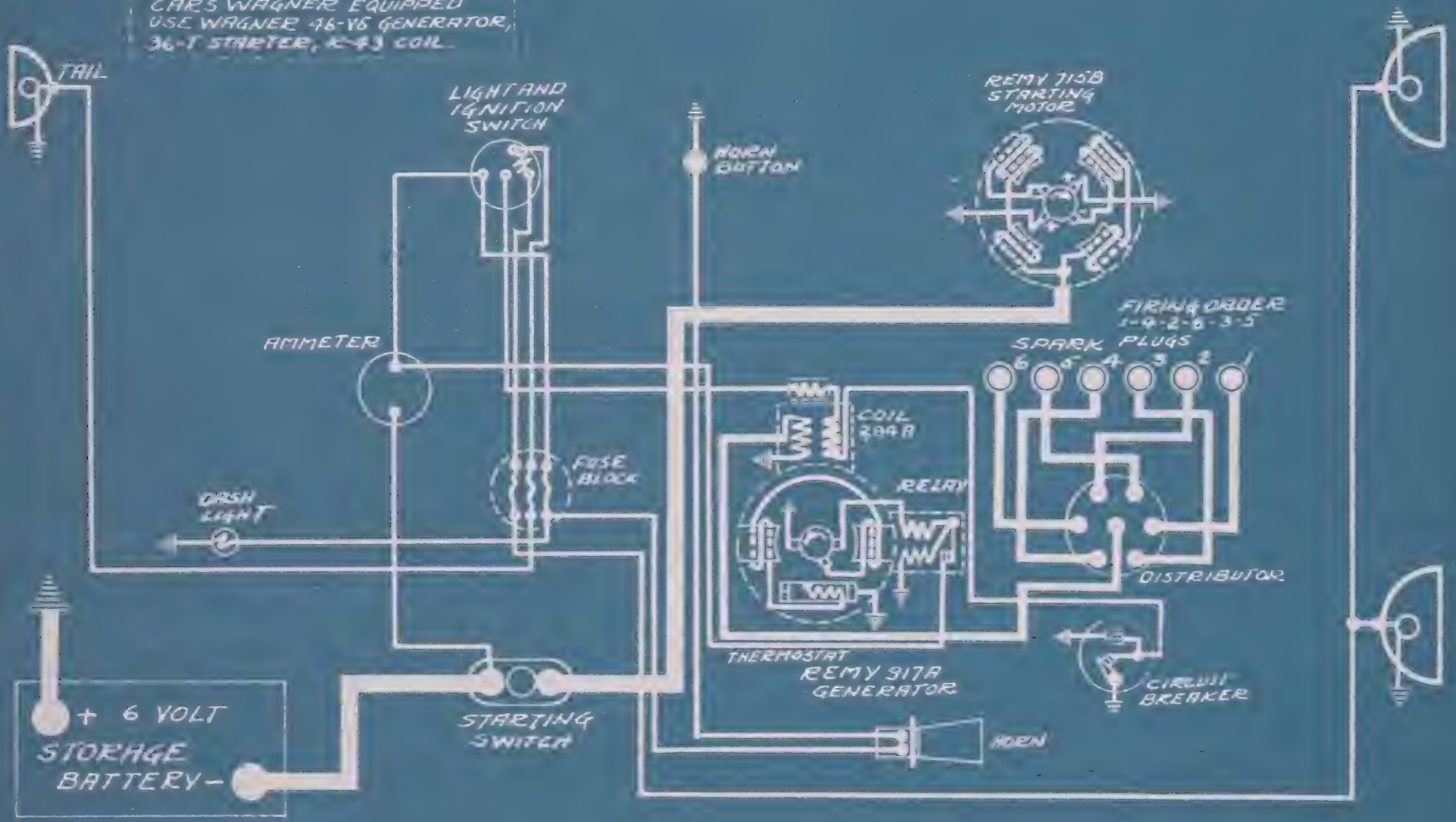
NOTE:- DOTTED LINES INDICATE LEFT HAND CONTROL



STUDEBAKER "EJ" 1920-1921

REMY OR WAGNER SYSTEM

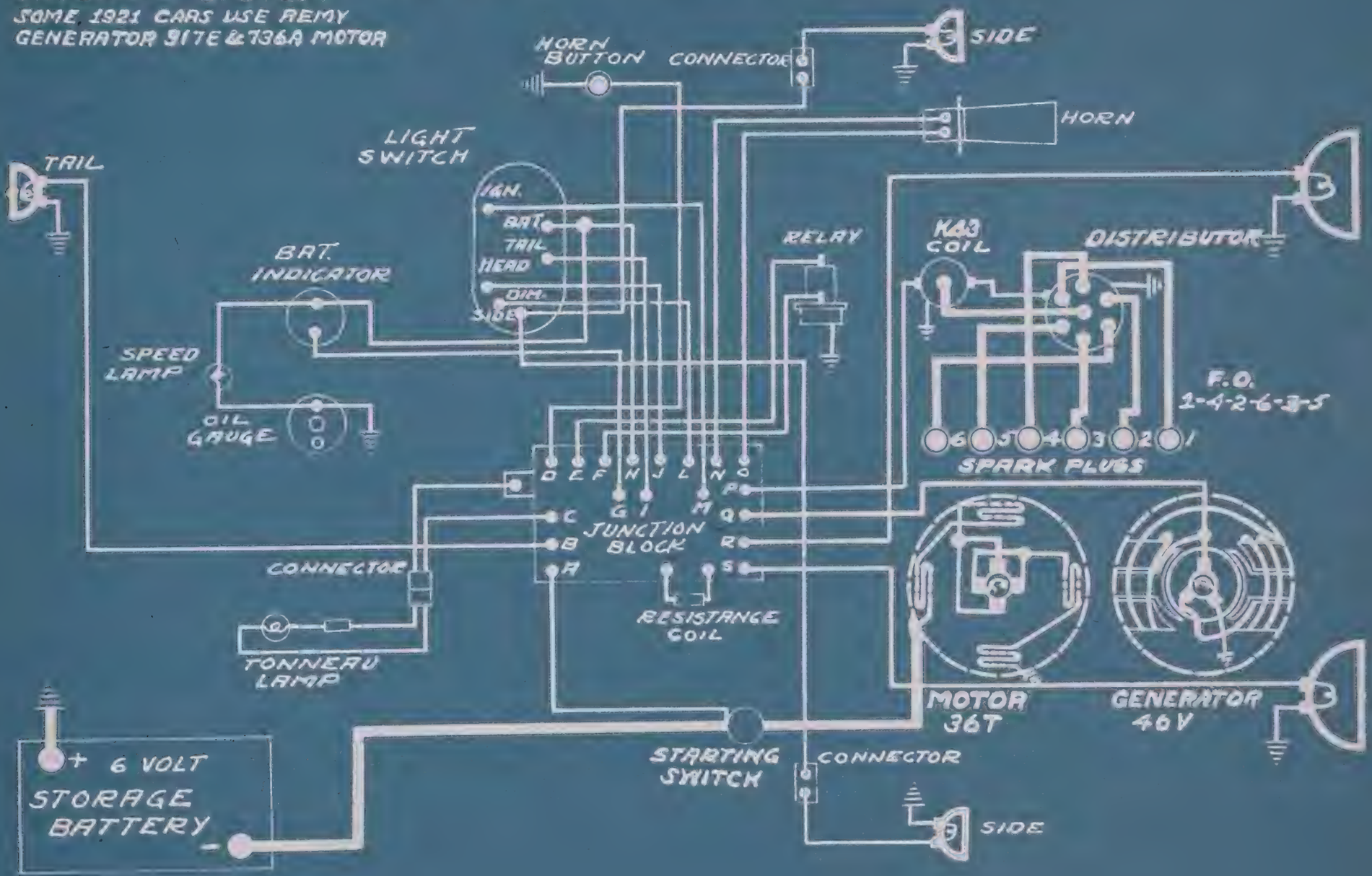
NOTE
CARS WAGNER EQUIPPED
USE WAGNER 46-Y6 GENERATOR,
36-T STARTER, K-43 COIL



STUDEBAKER EG & EH 1920-1921-1922

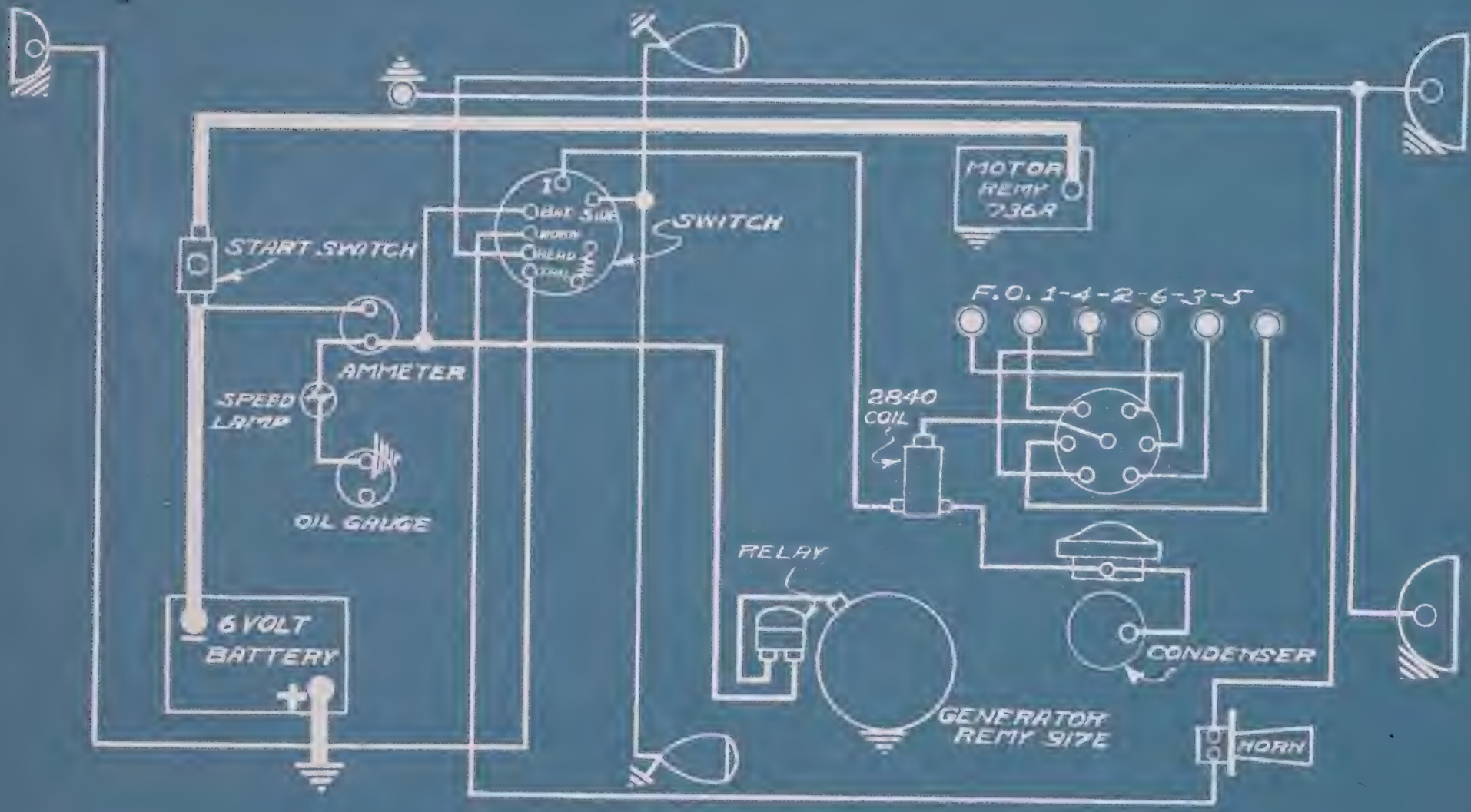
WAGNER SYSTEM

SOME 1921 CARS USE REMY GENERATOR 917E & 736A MOTOR



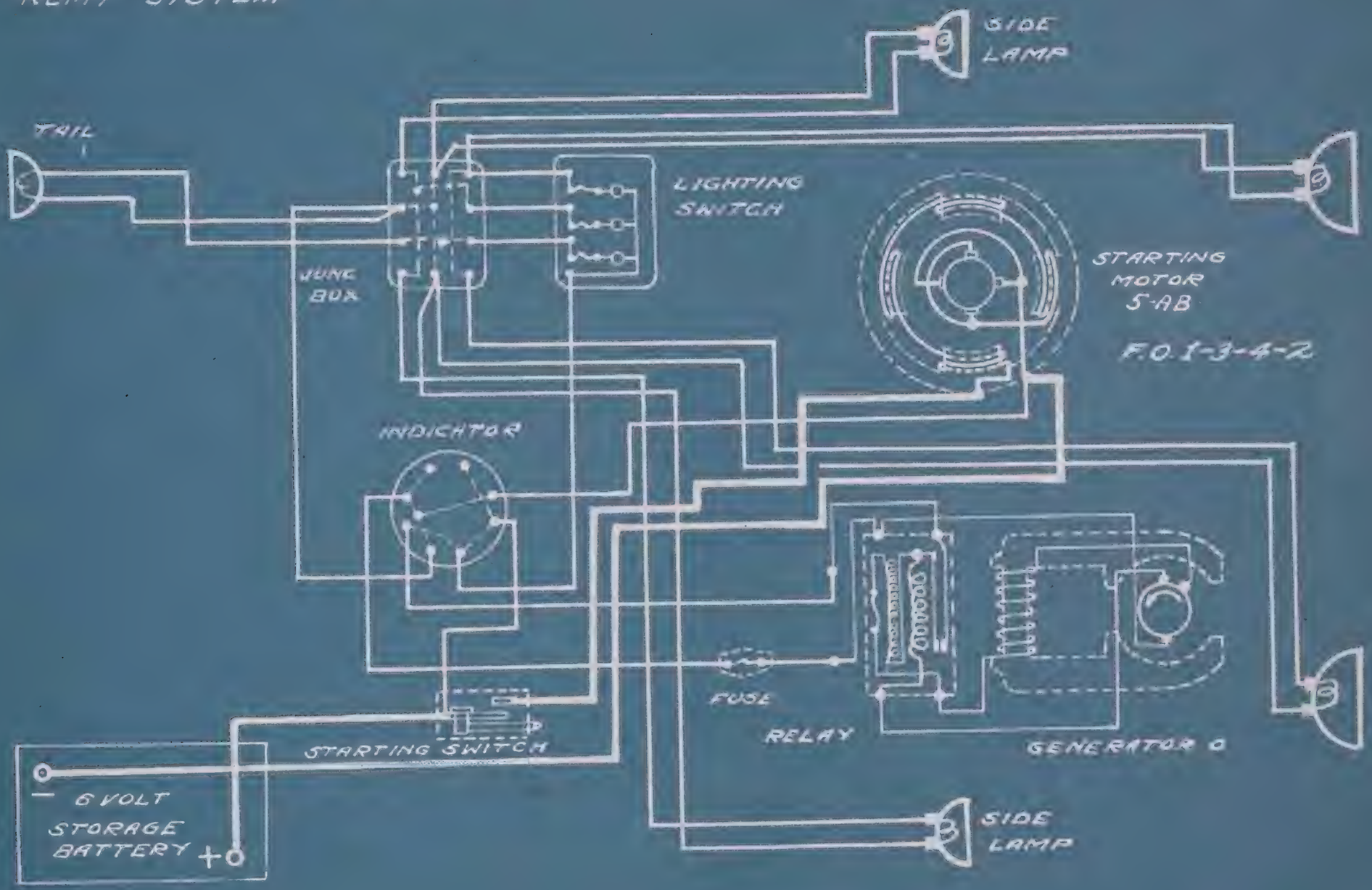
STUDEBAKER "LIGHT SIX EJ" 1922

REMY OR WAGNER SYSTEM

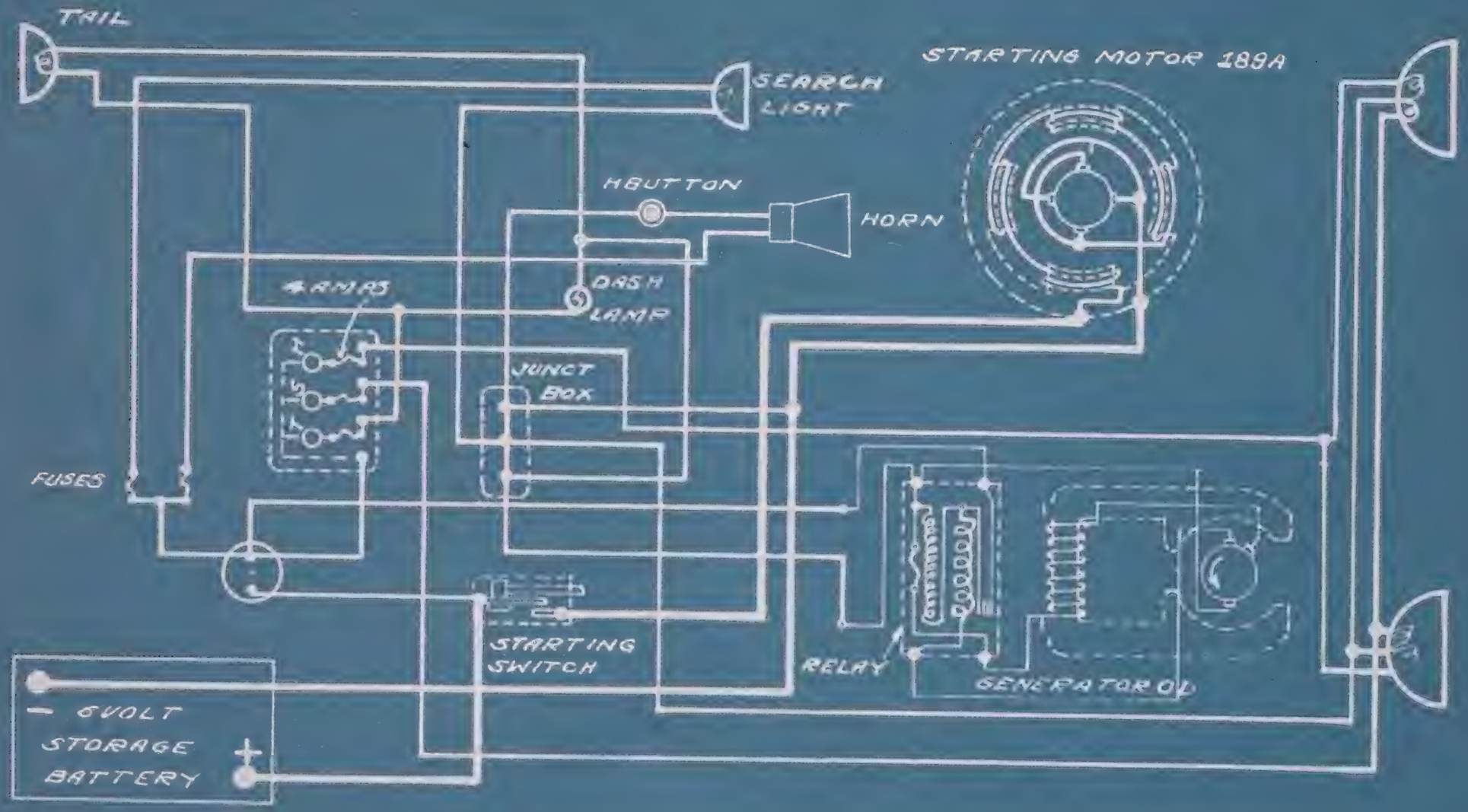


STUTZ 1914-1915

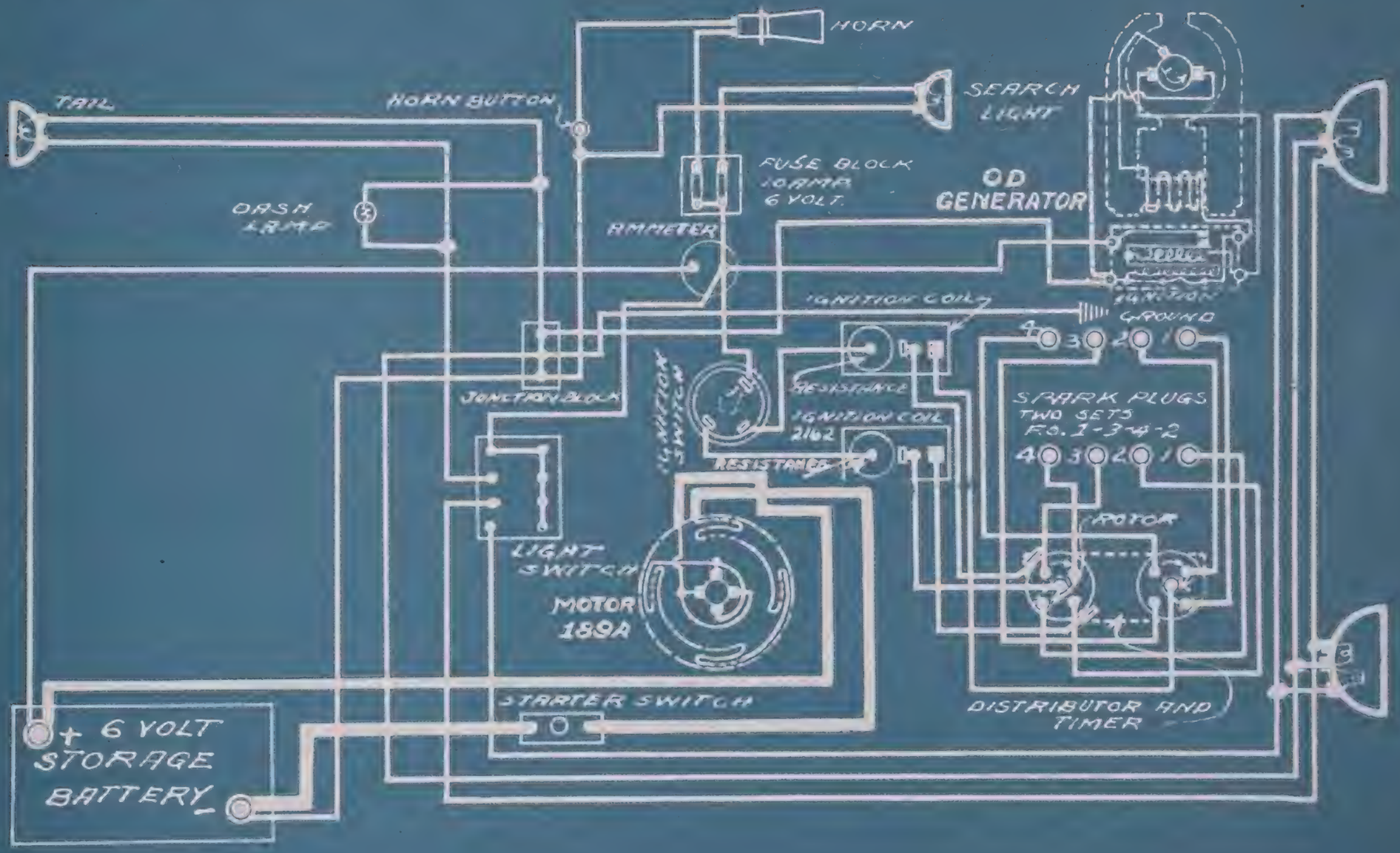
REMY SYSTEM



STUTZ 1916-1917
REMY SYSTEM



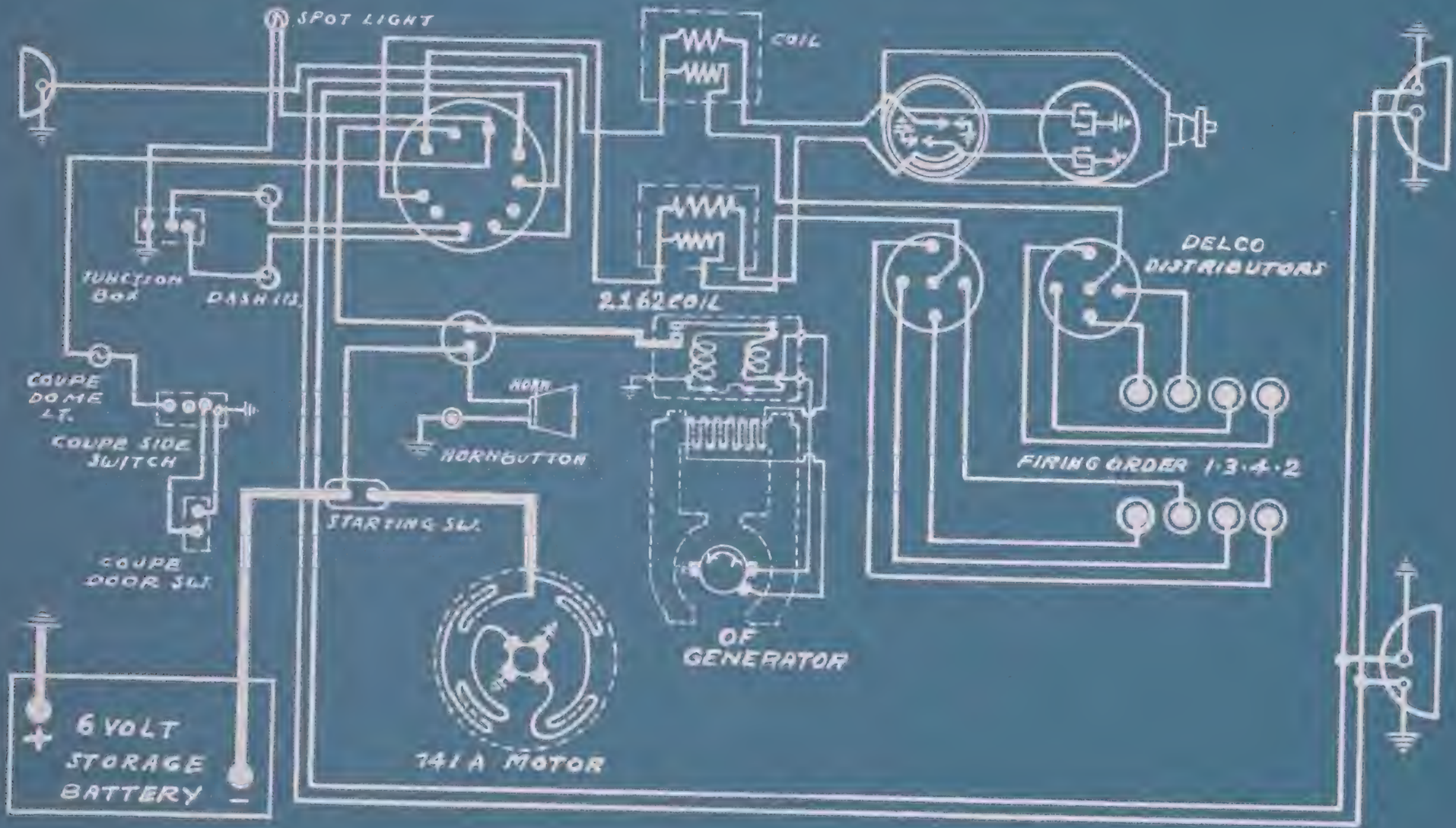
STUTZ 1918-1919-1920
REMY SYSTEM
DELCO IGNITION



STUTZ "K" 1921 KL & DH 1922

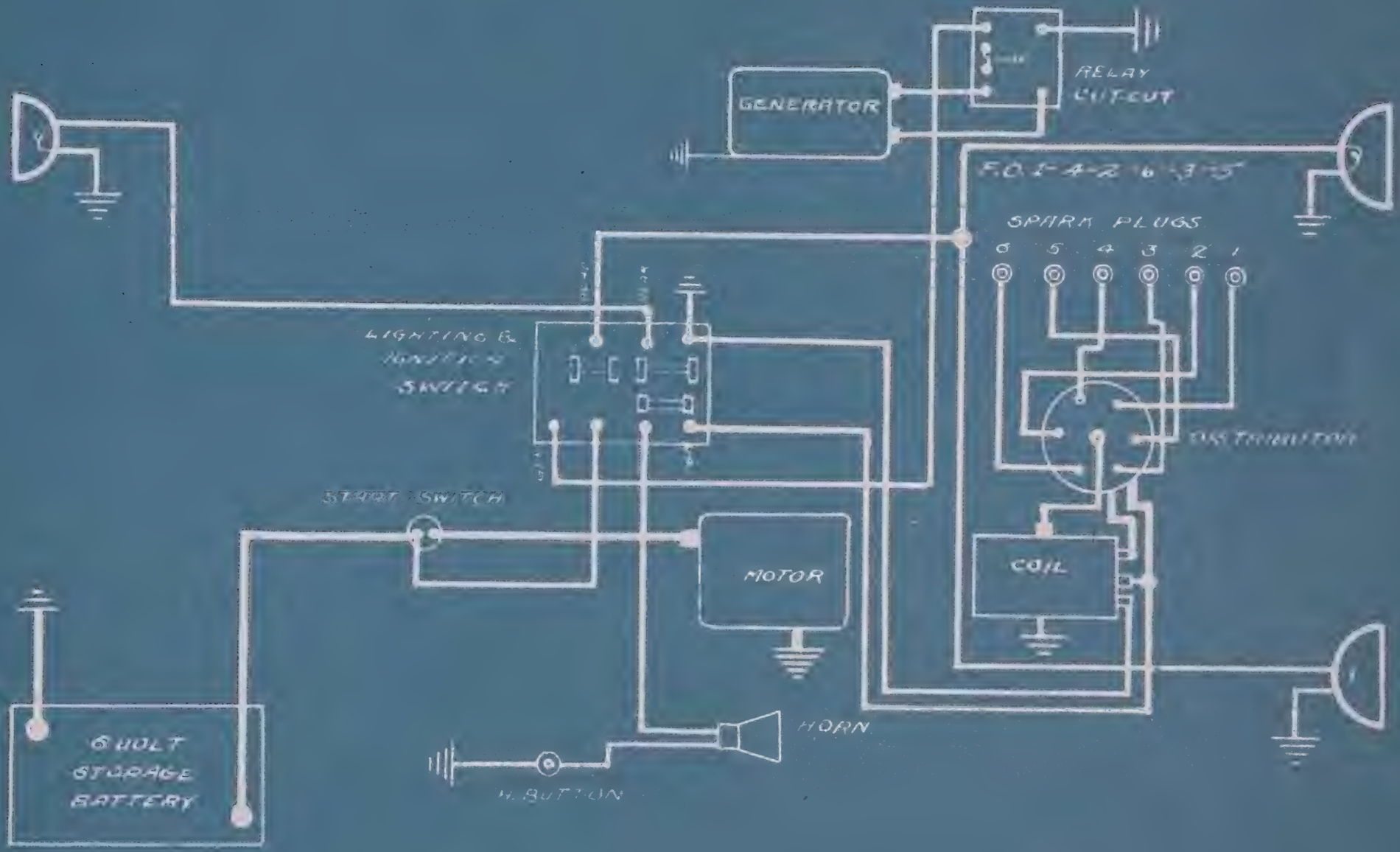
REMY SYSTEM

DELCO IGN.

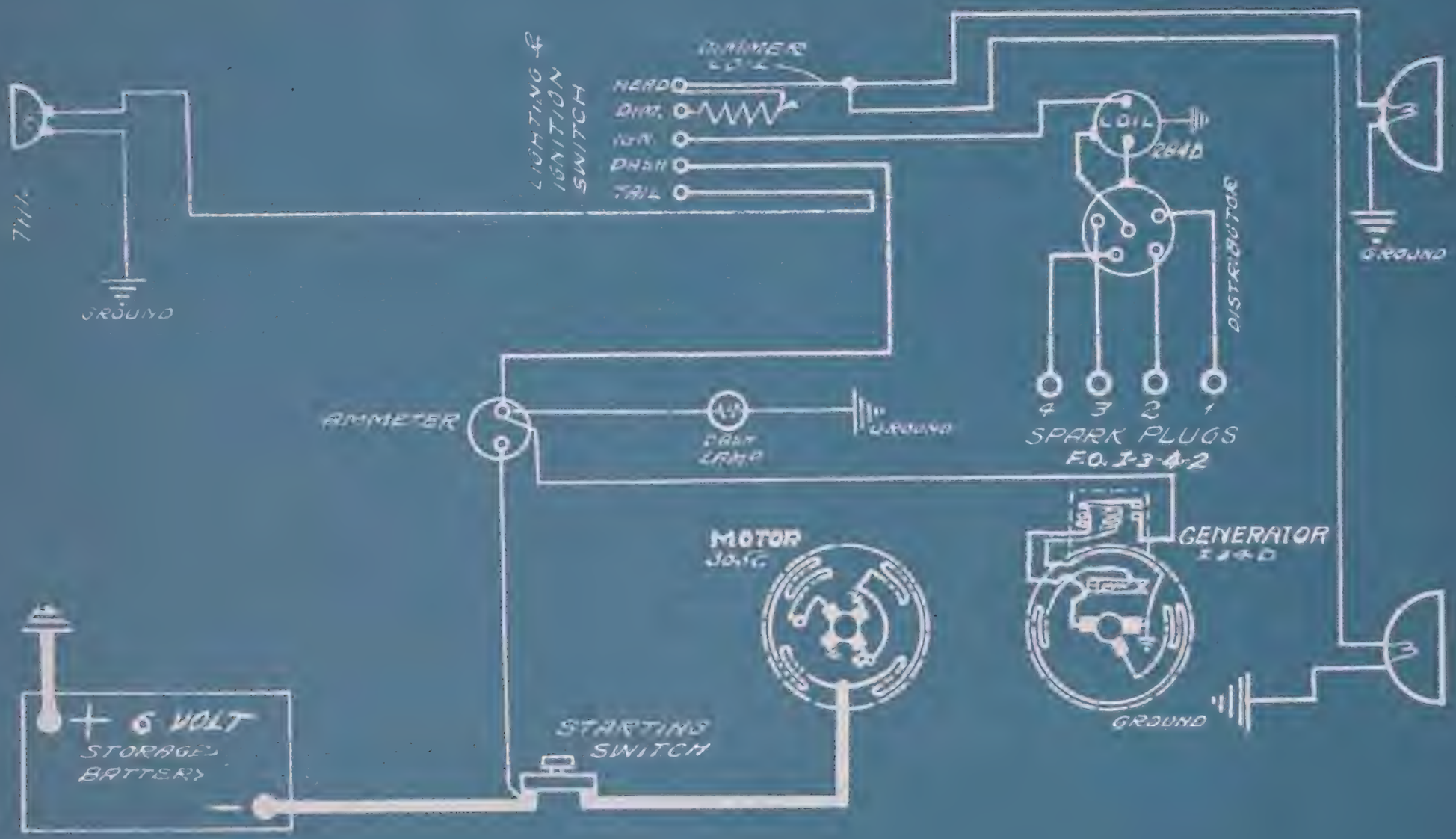


SUN "LIGHT SIX" - 1917.

RELAY SYSTEM



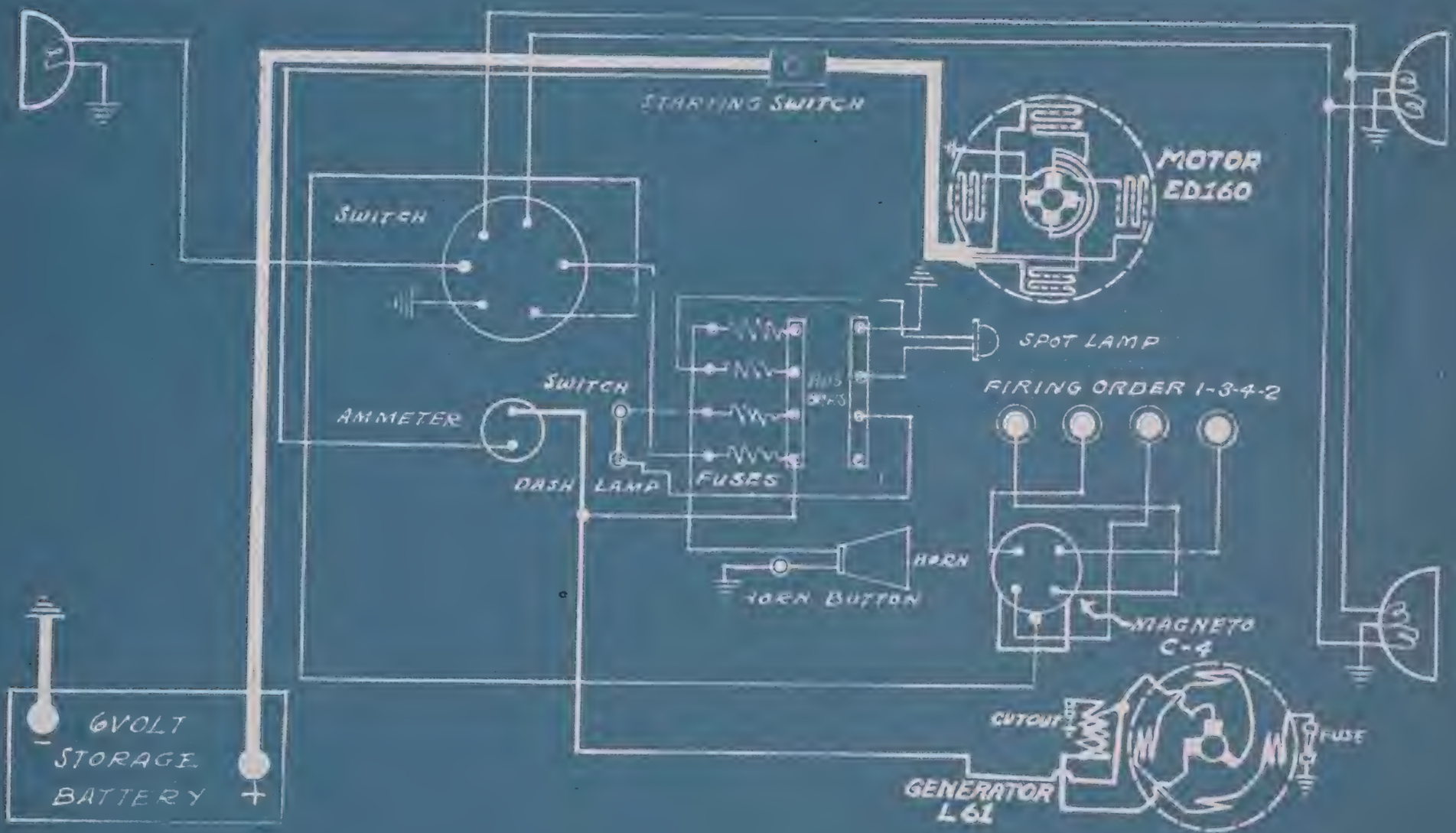
TEMPLAR 1918 - "445" - 1919
REMY SYSTEM



TEMPLAR 4-45. 1919-1920-1921

BIJUR STARTING & LIGHTING

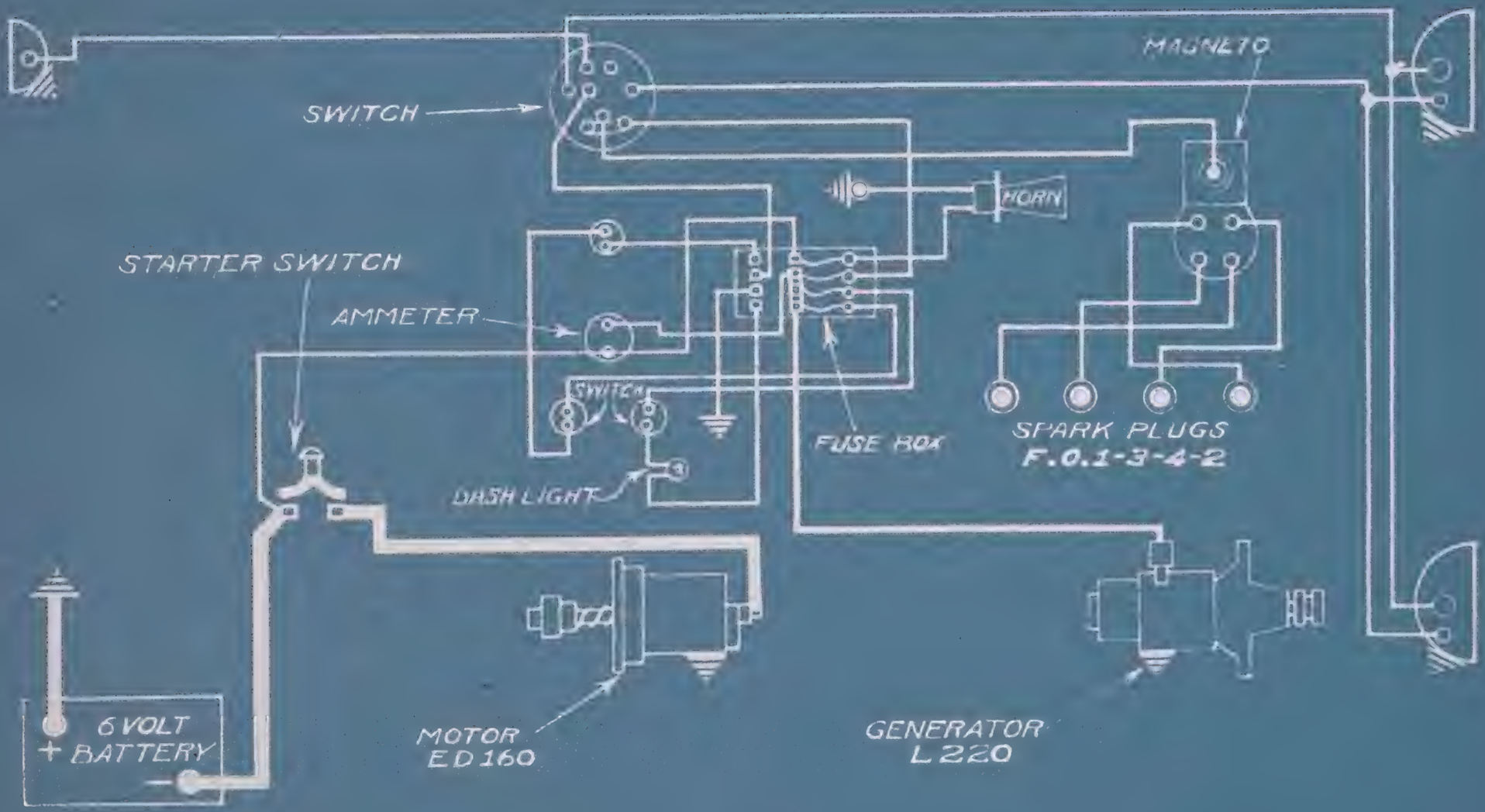
SIMMS MAGNETO IGN.



TEMPLAR "445" 1922

BIJUR SYSTEM

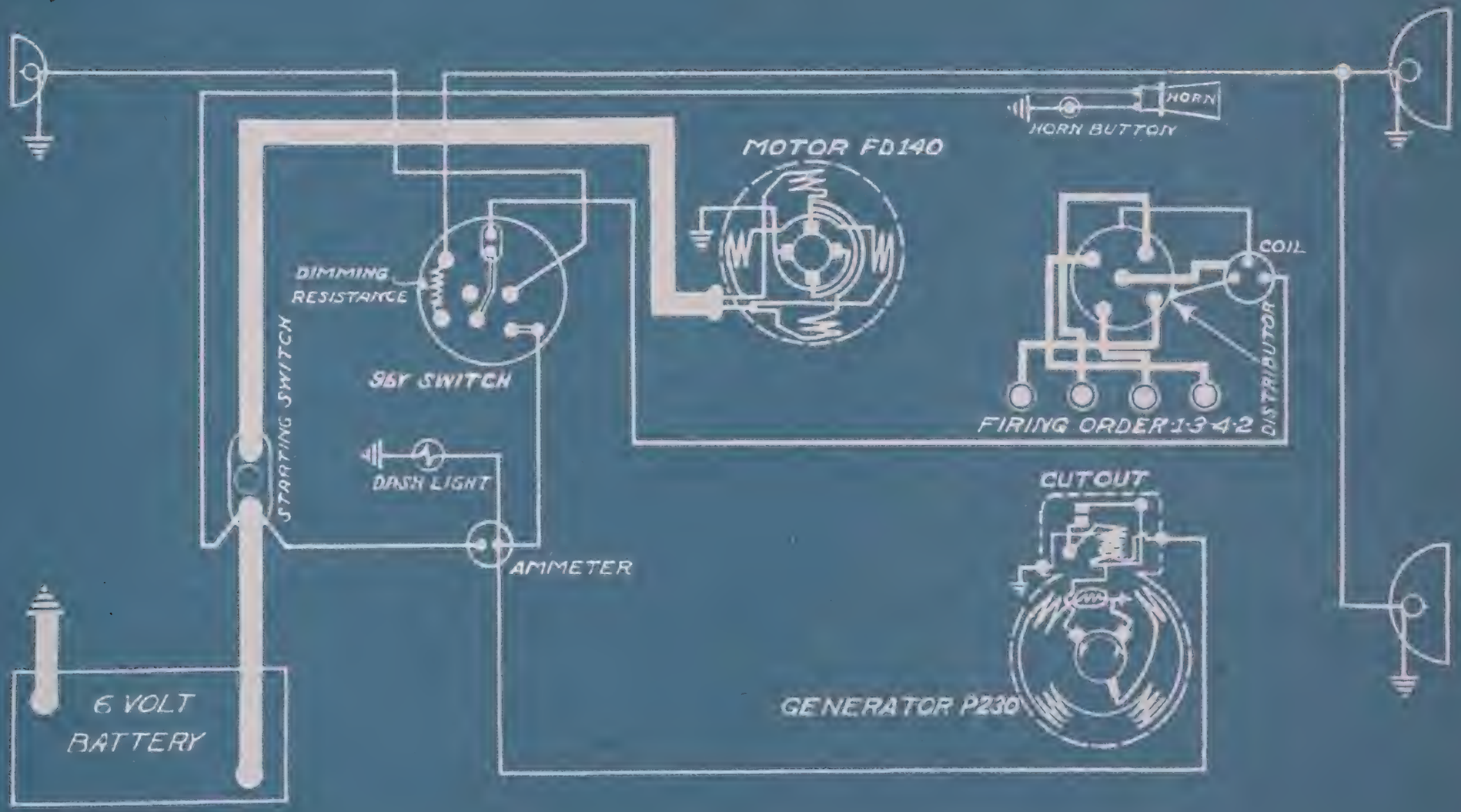
SIMMS MAG.



TEXAN "38" 1920

BIJUR SYSTEM

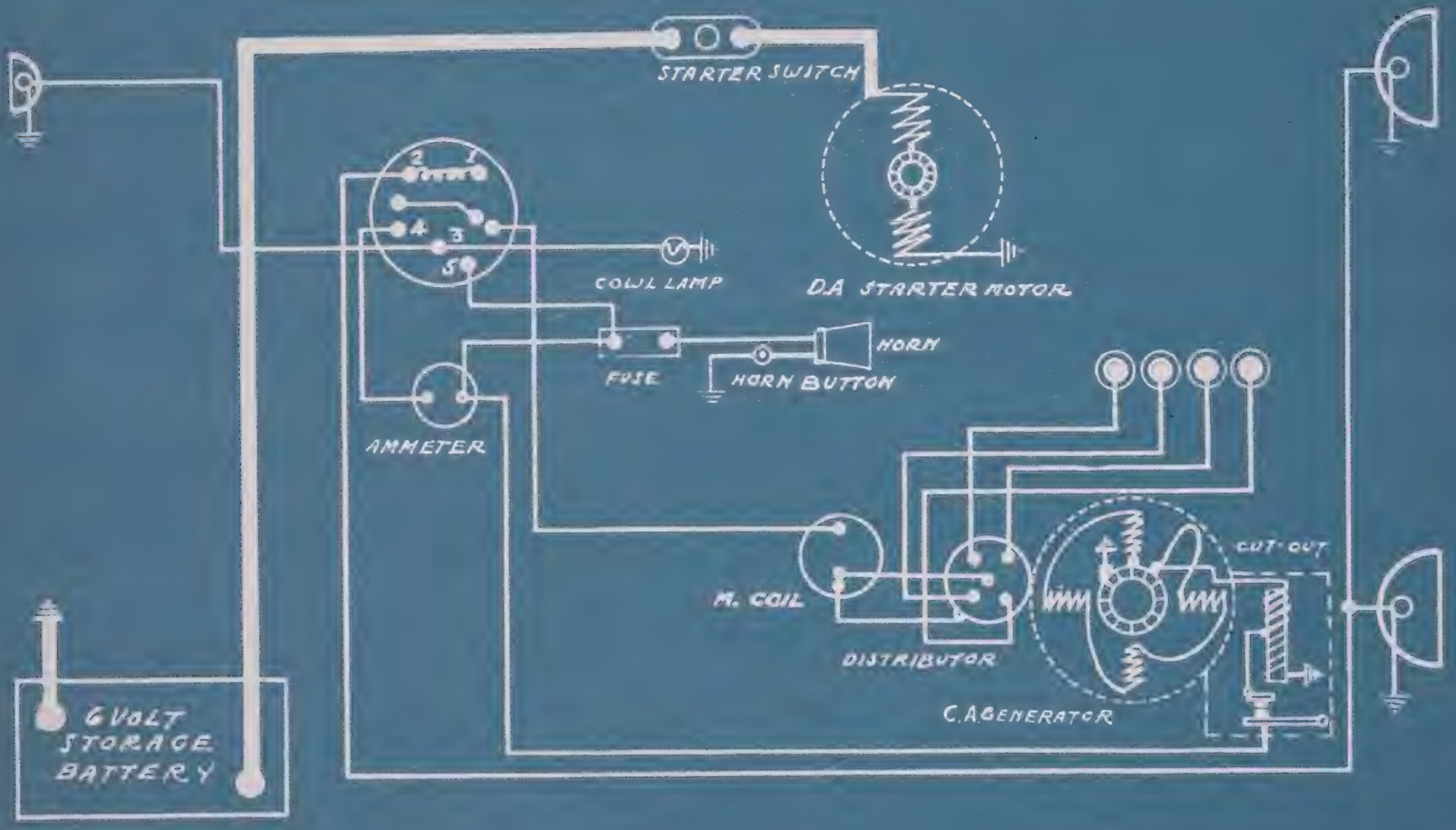
CONNECTICUT IGN.



TULSA 1920-1921-1922

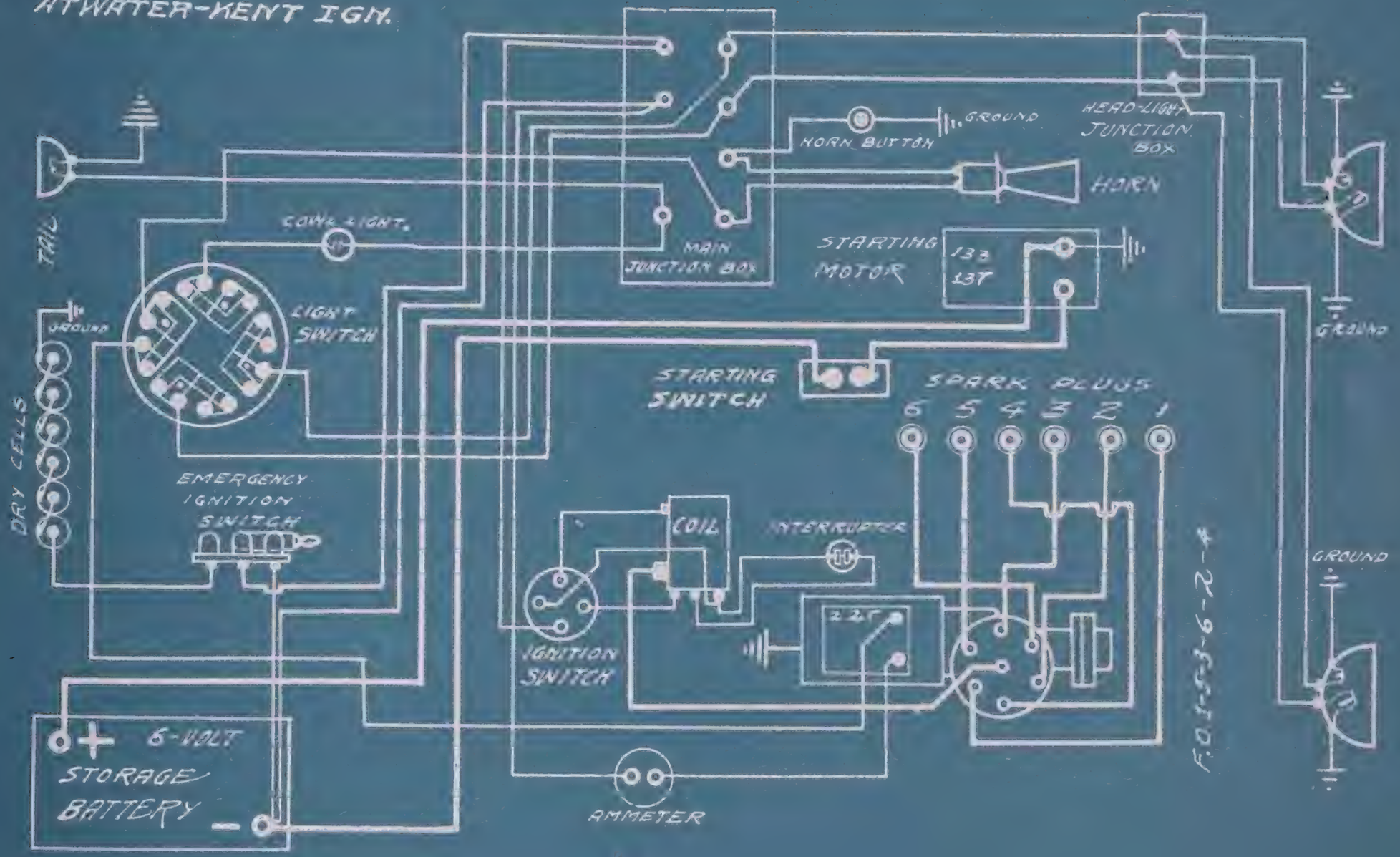
DYNETO SYSTEM

CONN. IGN.

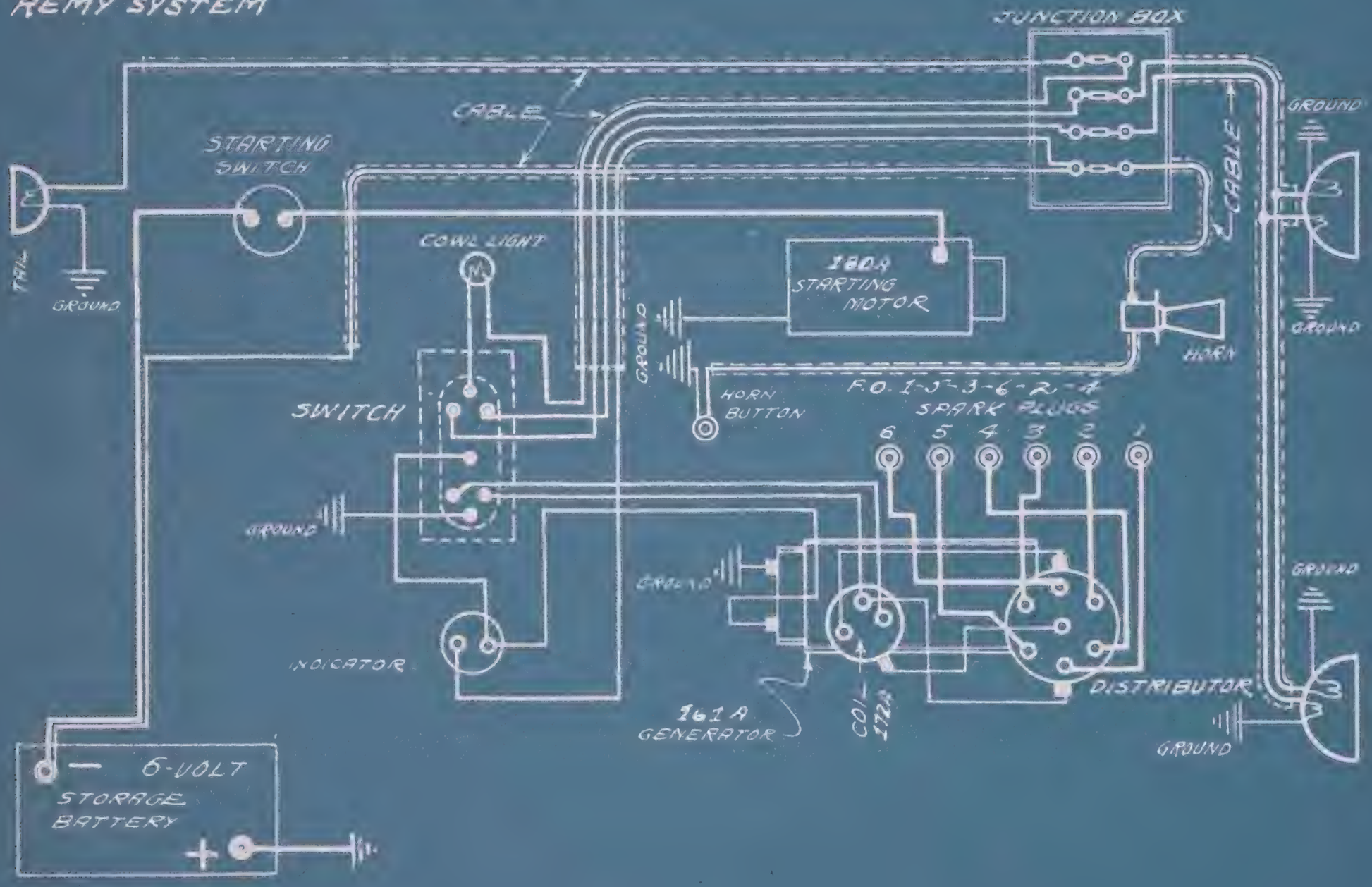


VELIE 1915-1916 "15"

GRAY & DAVIS SYSTEM
ATWATER-KENT IGN.

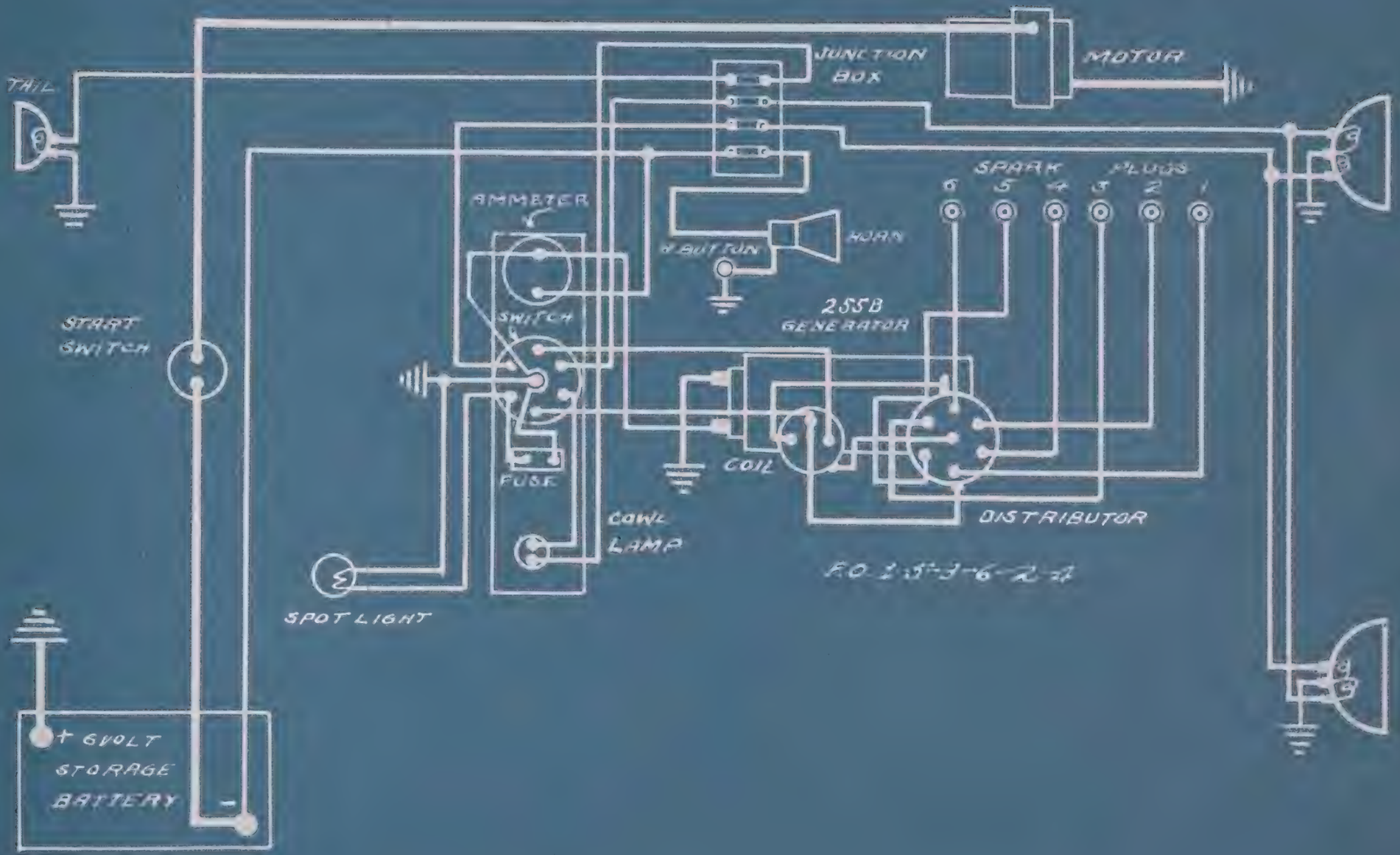


VELIE 1916 MODEL "22"
REMY SYSTEM



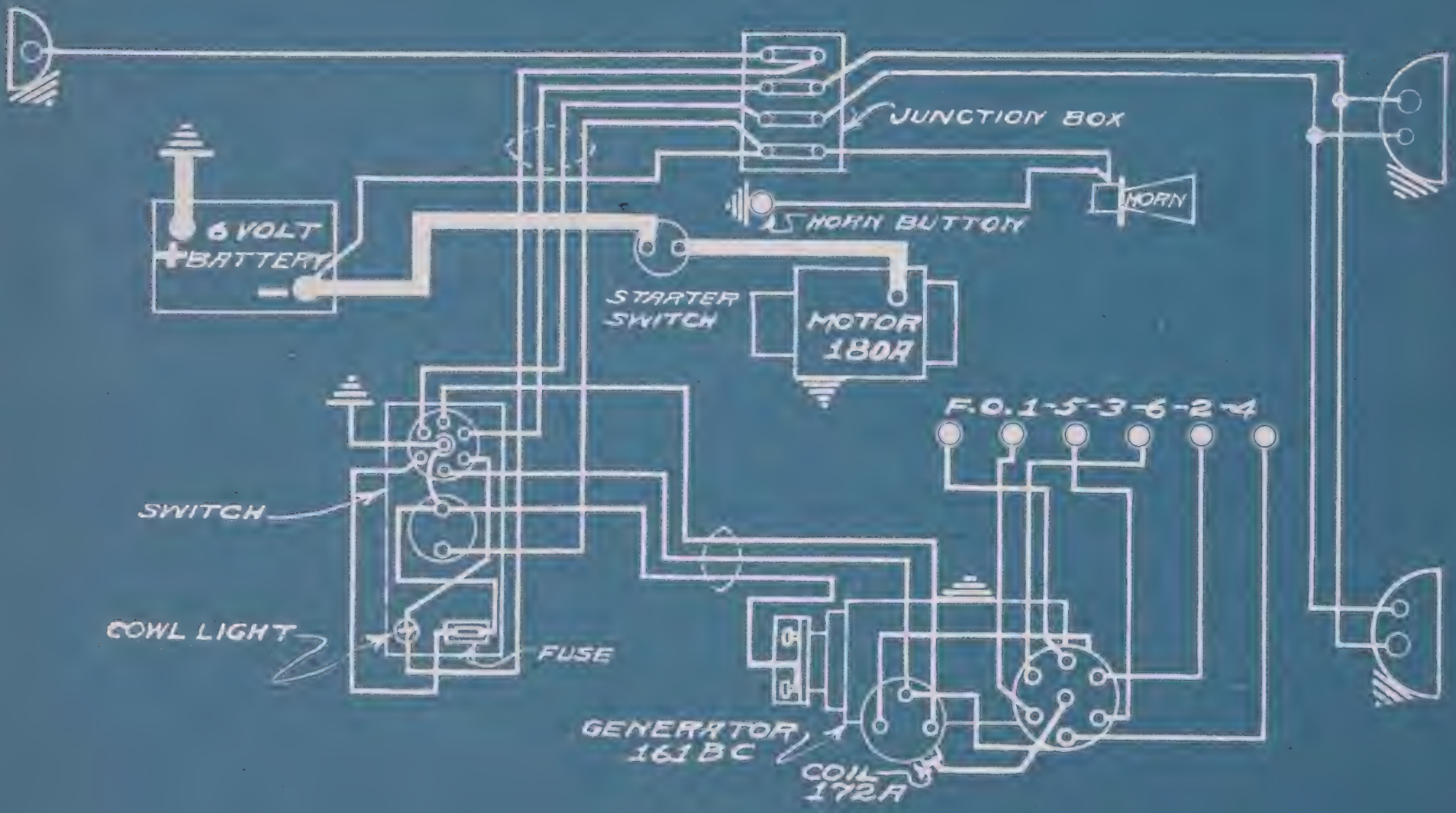
VELIE MODEL 27 1917

REMY SYSTEM



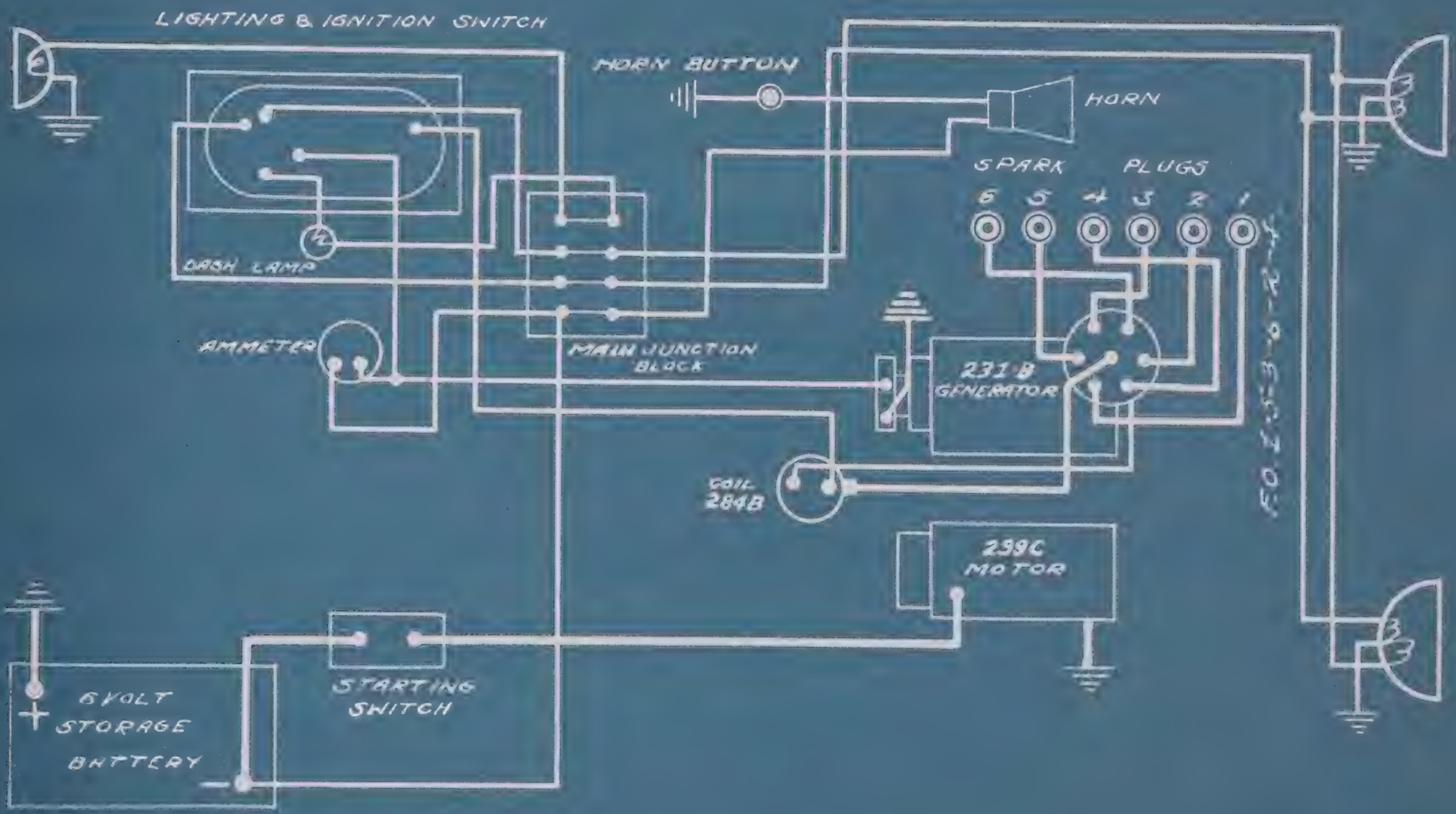
VELIE "28" 1917

REMY SYSTEM

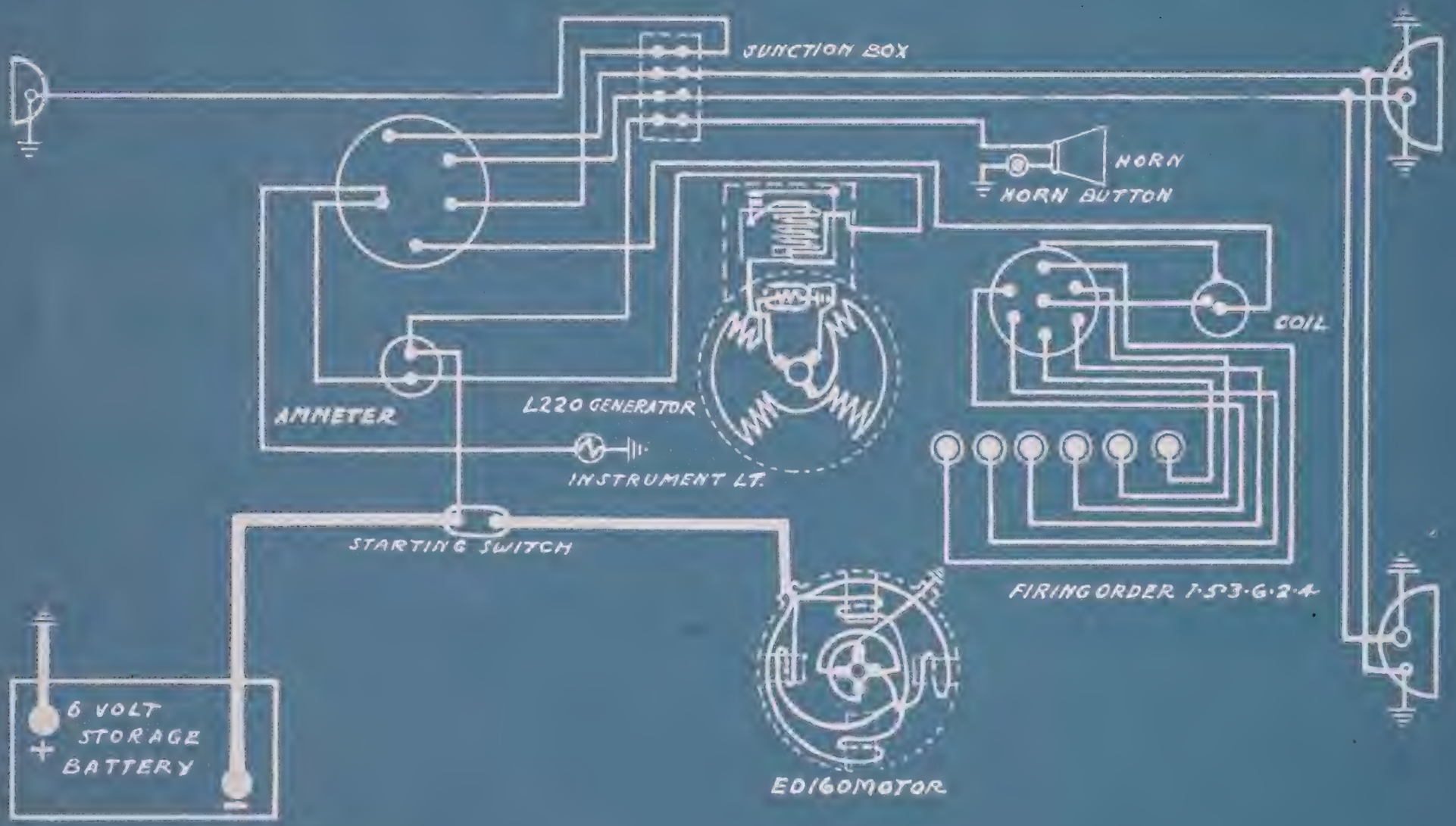


VELIE 1918-19 38 & 39

REMY SYSTEM

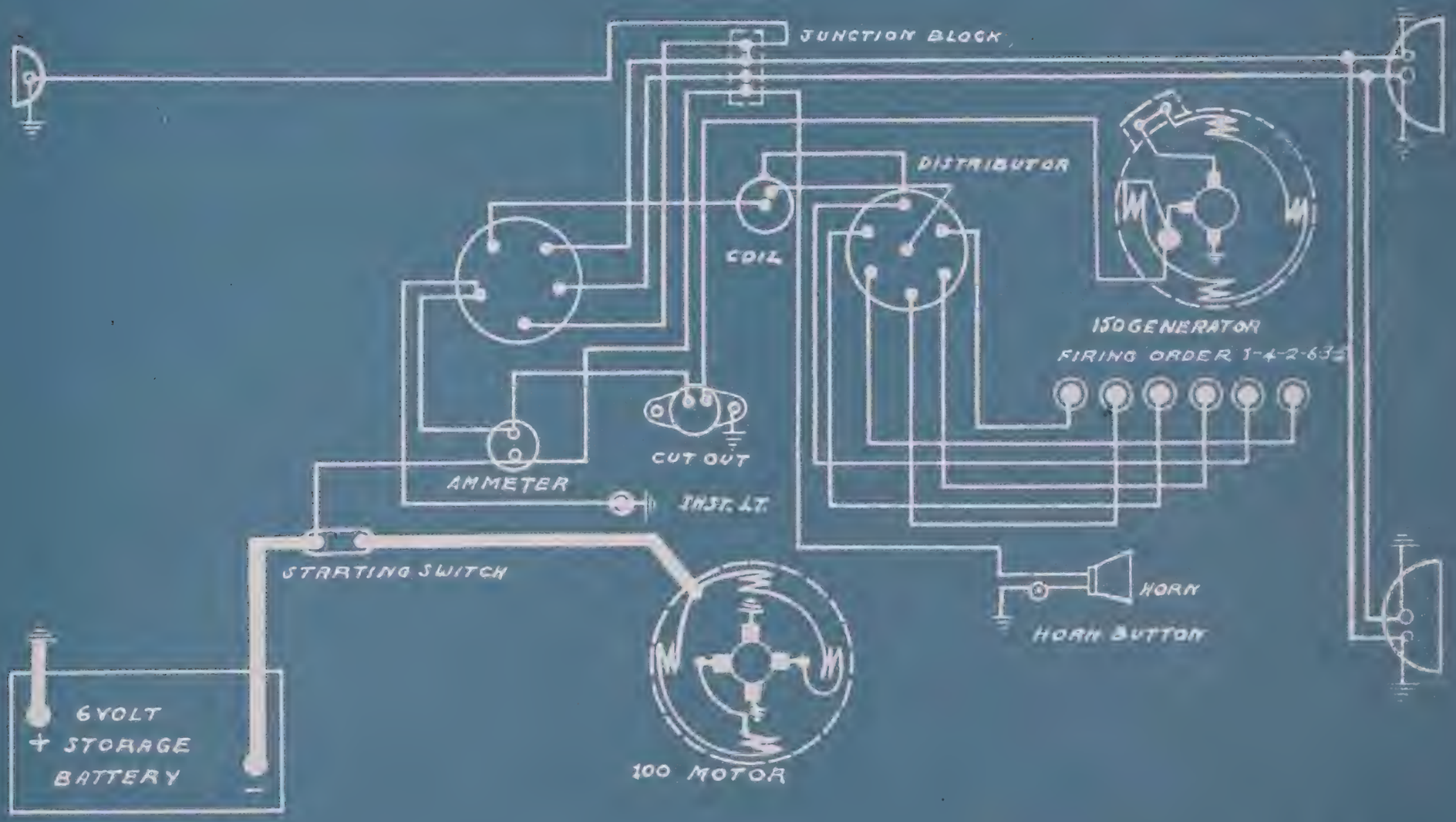


VELIE "48" 1919-20-21
BIJUR SYSTEM
ATWATER KENT IGN.



VELIE "34" 1920-1921-1922

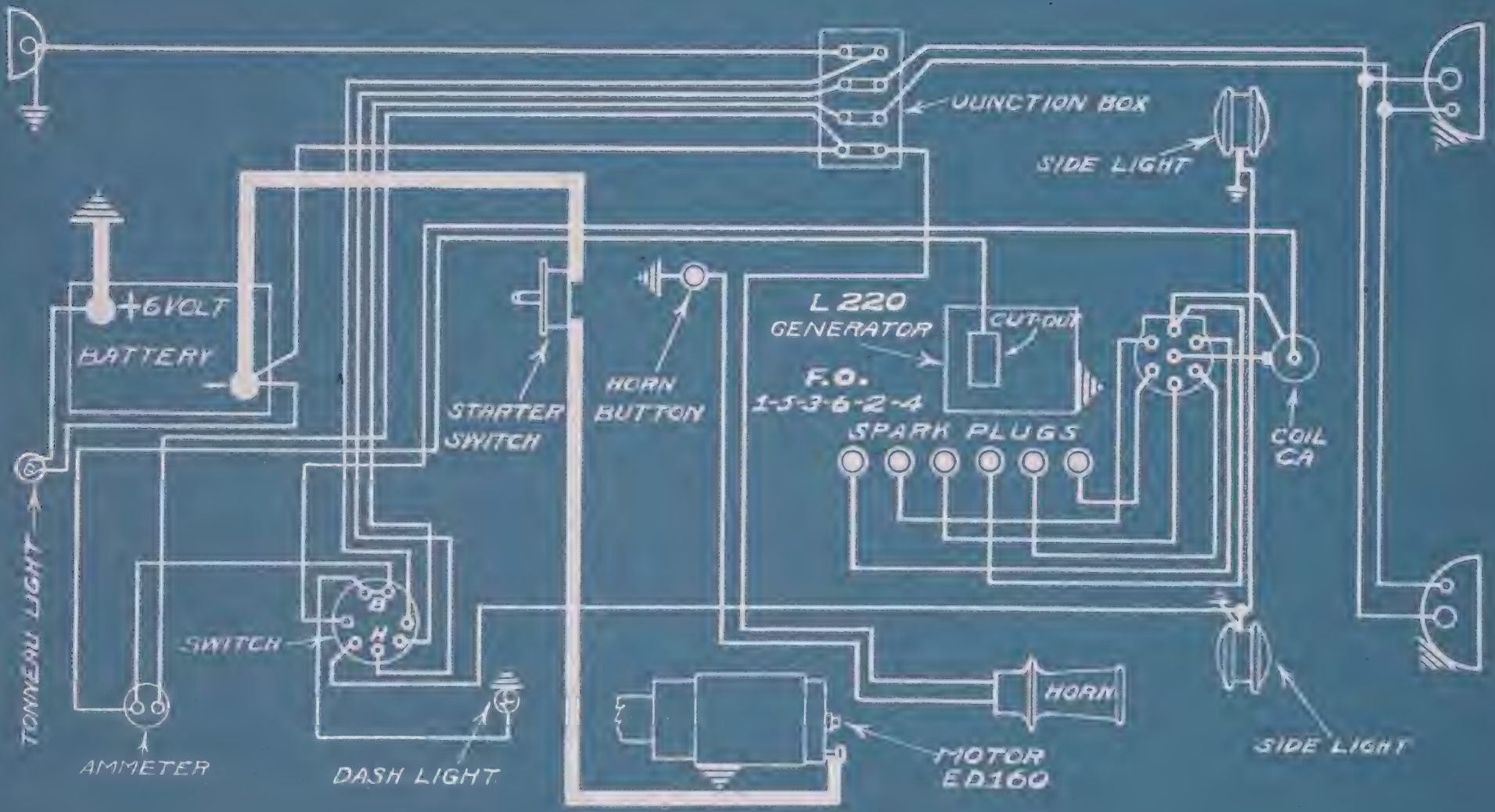
WESTINGHOUSE SYSTEM
ATWATER KENT IGN



VELIE "58" 1922

BIJUR SYSTEM

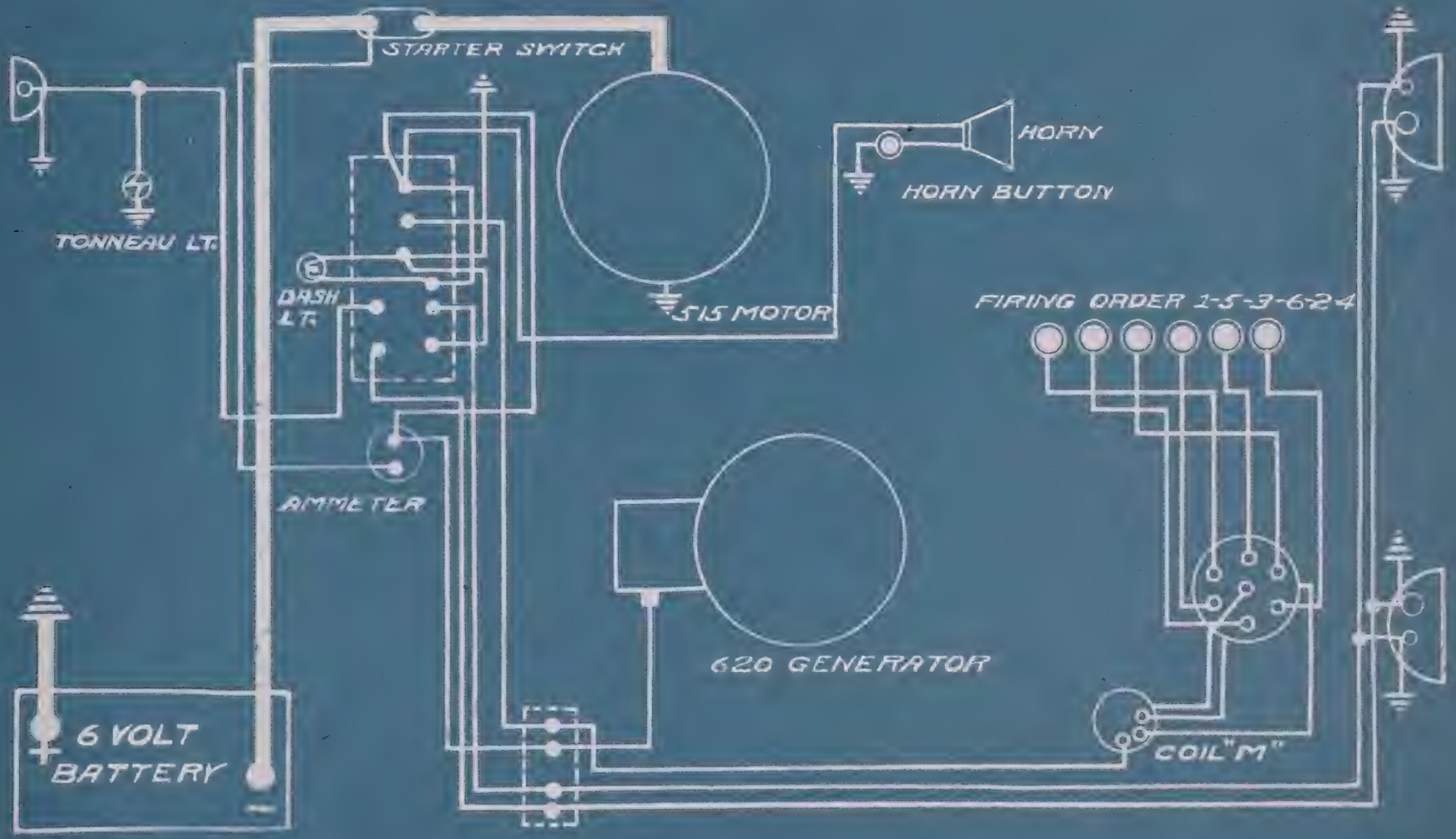
ATWATER-KENT IGN.



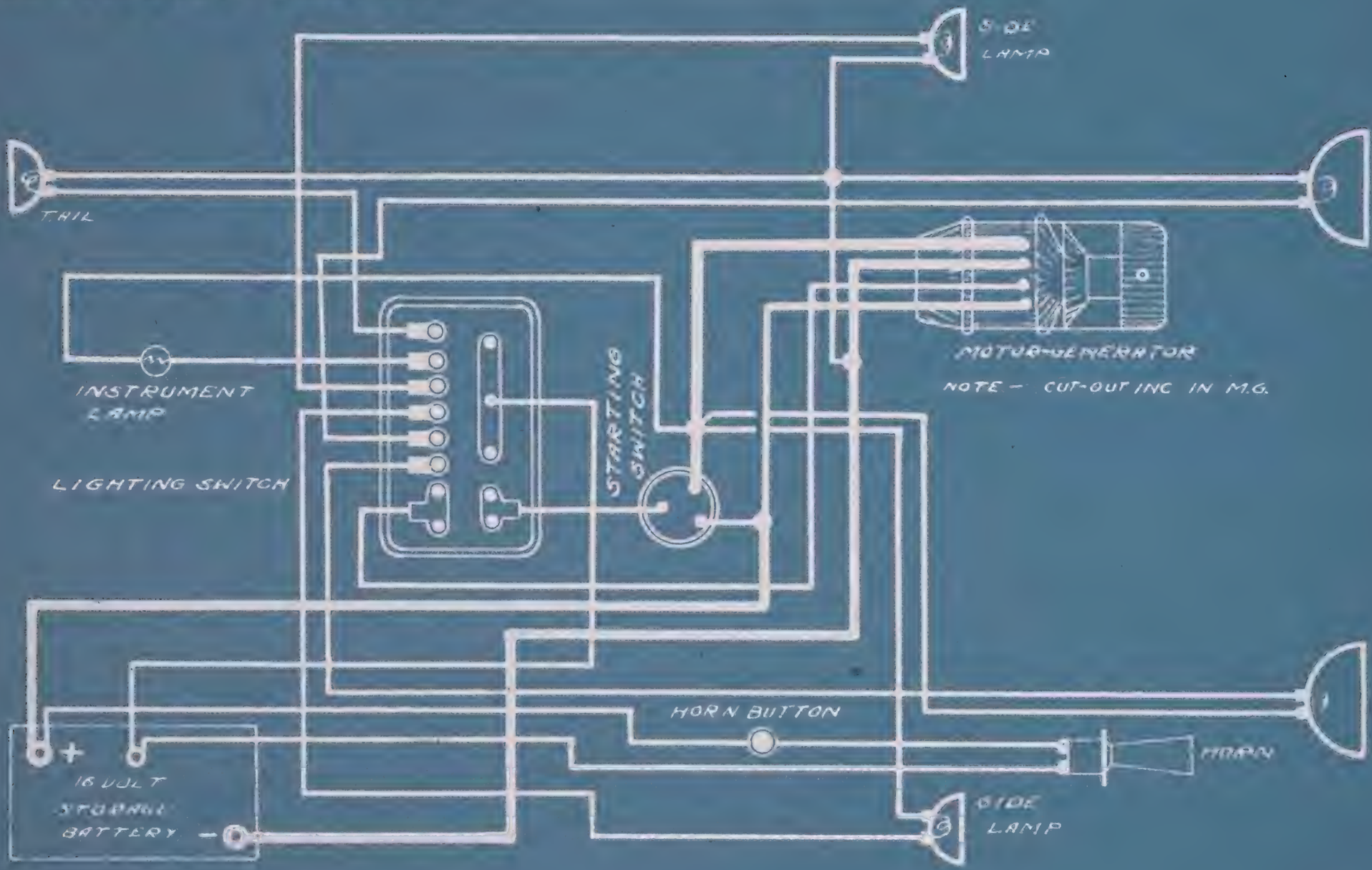
WALTHAM "6" 1922

GRAY & DAVIS SYSTEM

BOSCH IGNITION

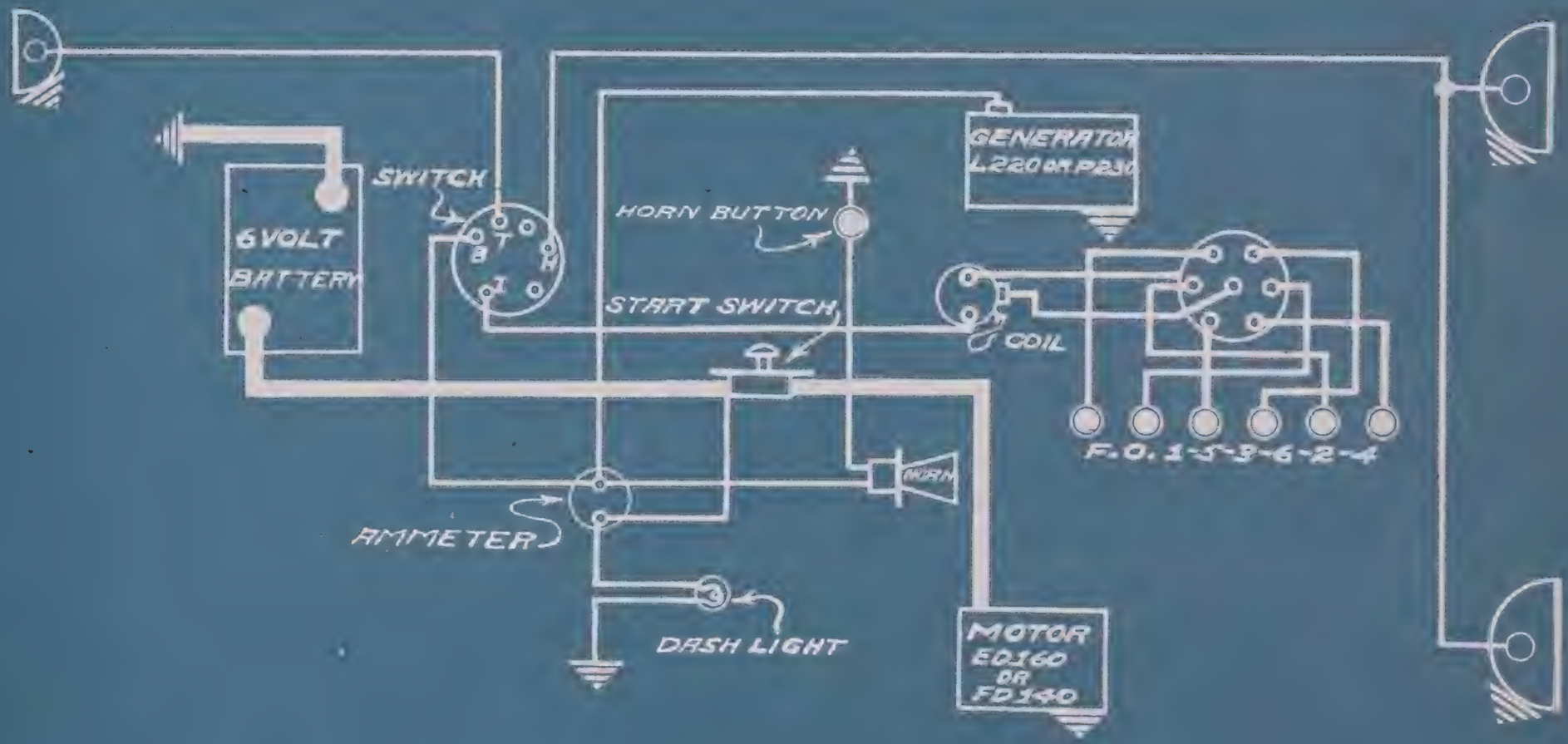


WARREN 1913-1914
NORTH EAST SYSTEM



WASHINGTON "B&BJ" 1922

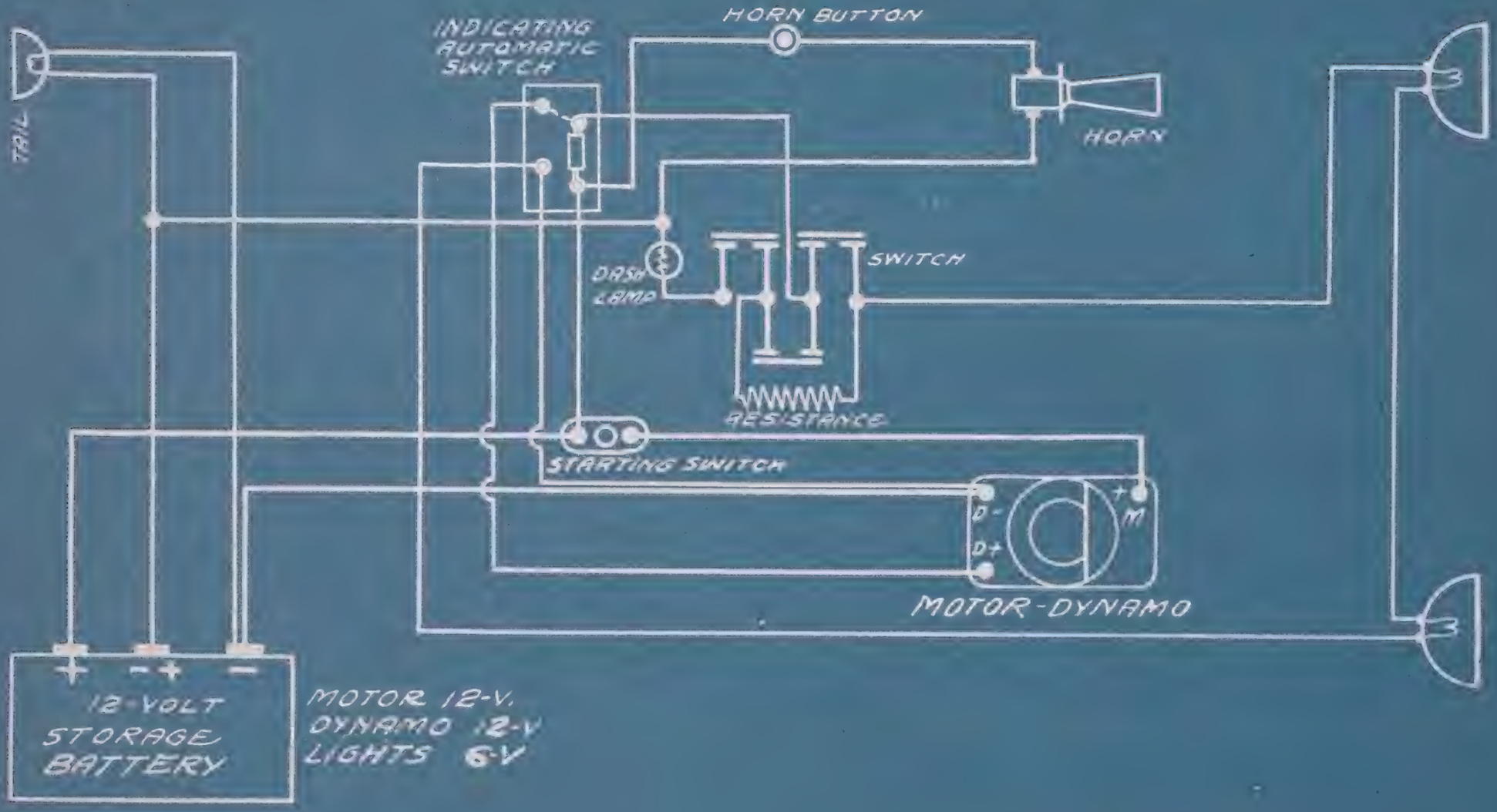
BIJUR SYSTEM
REMY IGN.



WAYNE 1915

SPLITDORF-APELCO SYSTEM

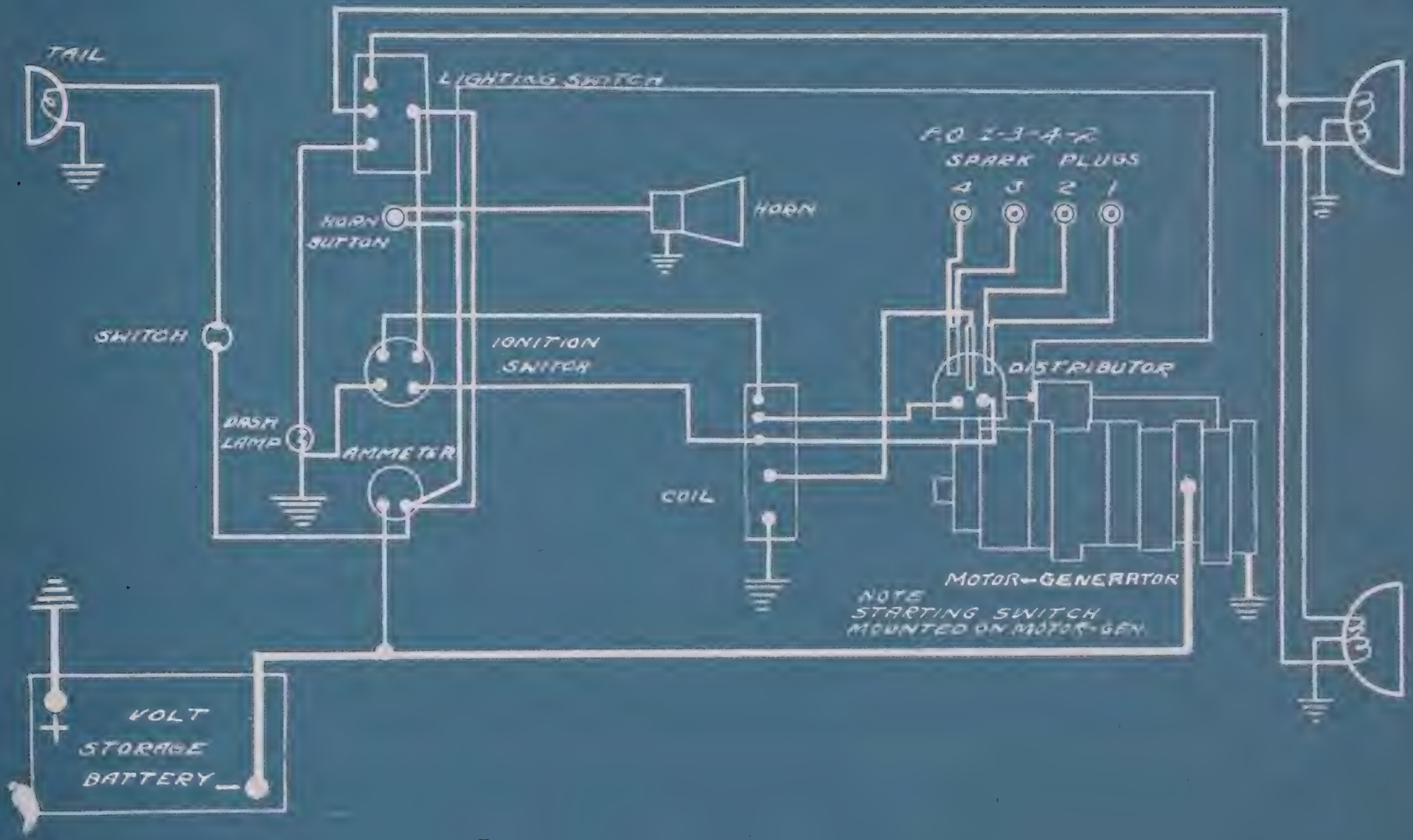
Note:- PLUG ACTS AS TAIL LIGHT SWITCH.



WESTCOTT 1914 0-30

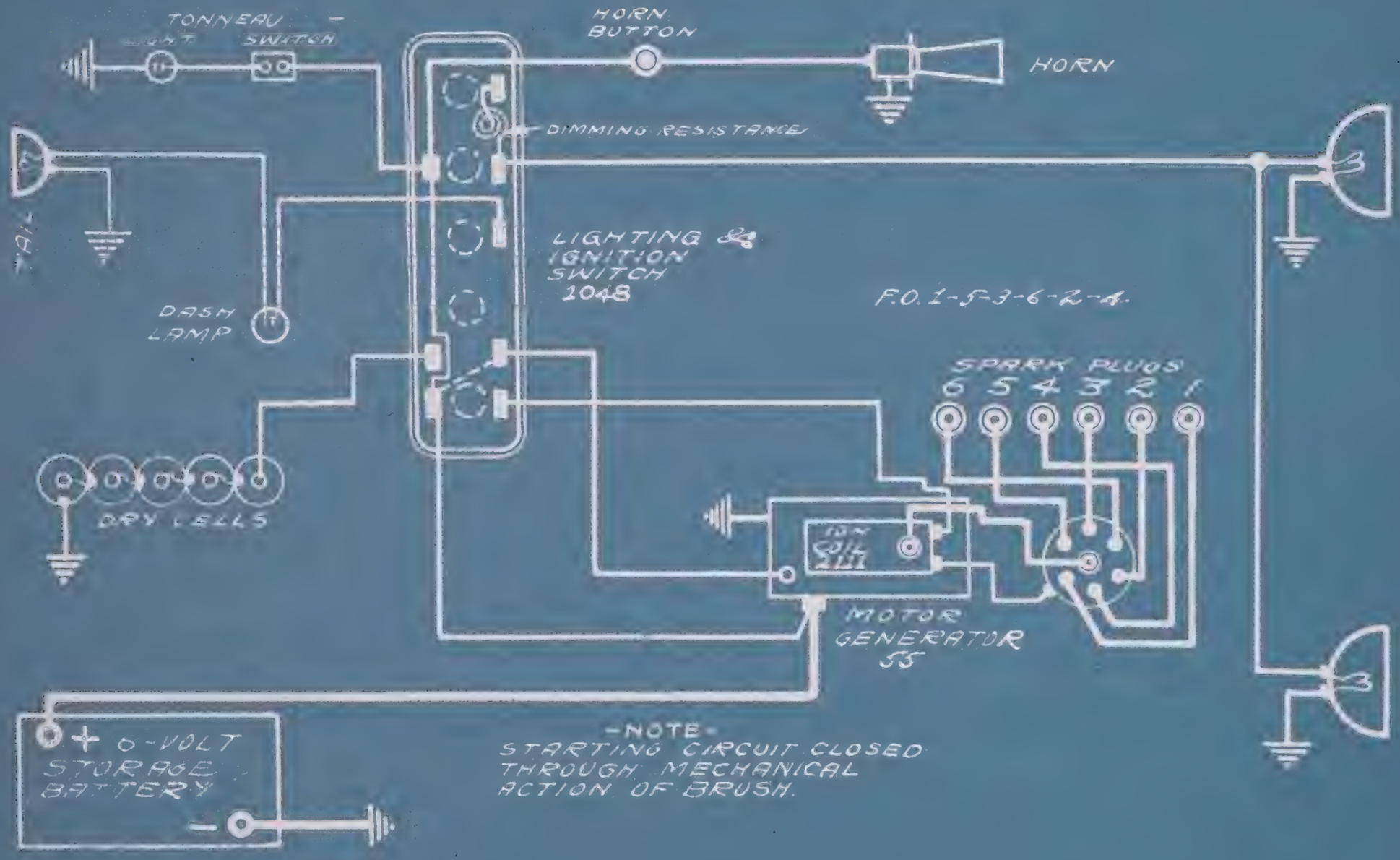
JESCO SYSTEM

A.M. IGN.



WESTCOTT 1915 U-6 & 0-35

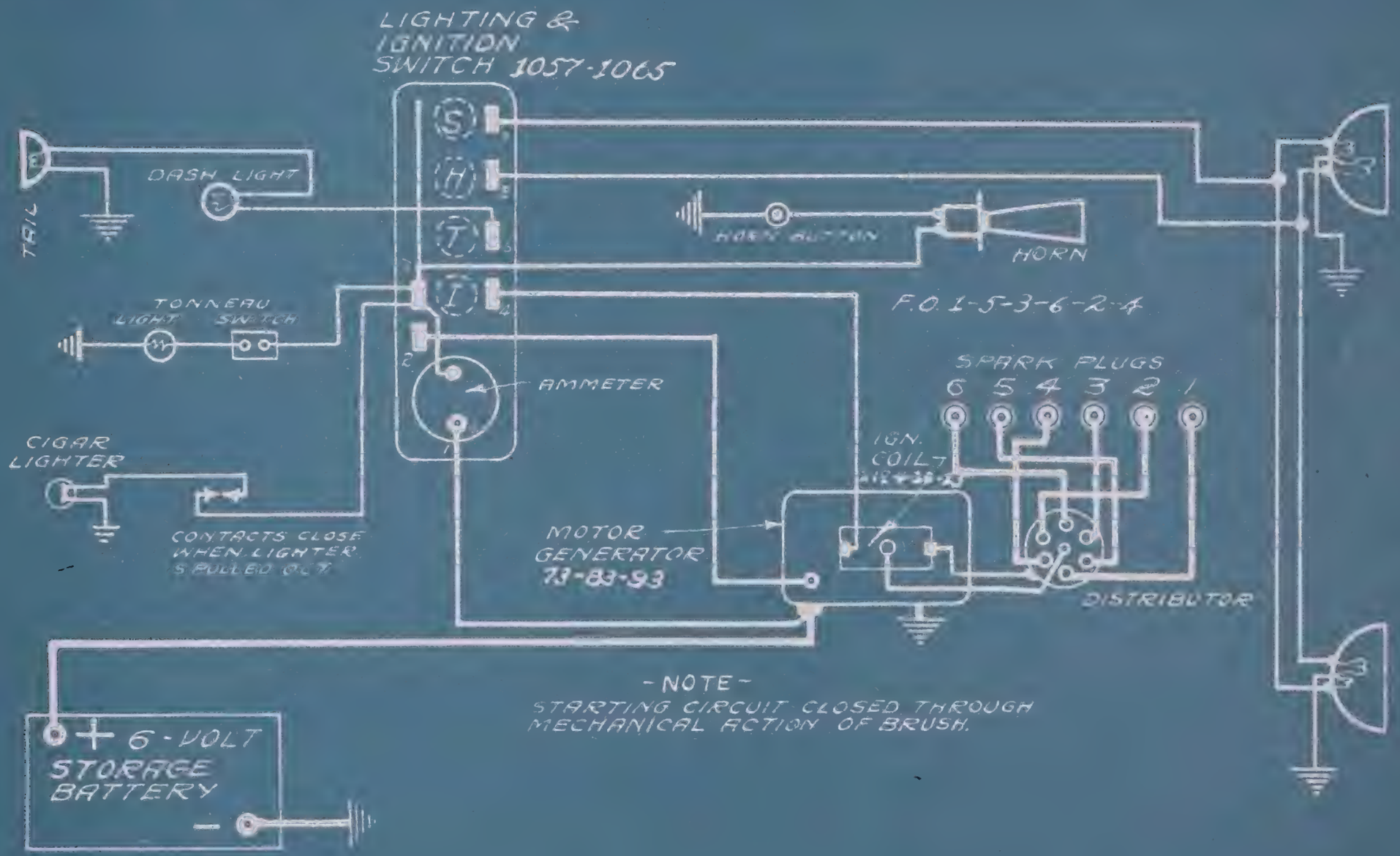
DELCO SYSTEM



-NOTE-
STARTING CIRCUIT CLOSED THROUGH MECHANICAL ACTION OF BRUSH.

WESTCOTT 1916 41 & 51

DELCO SYSTEM

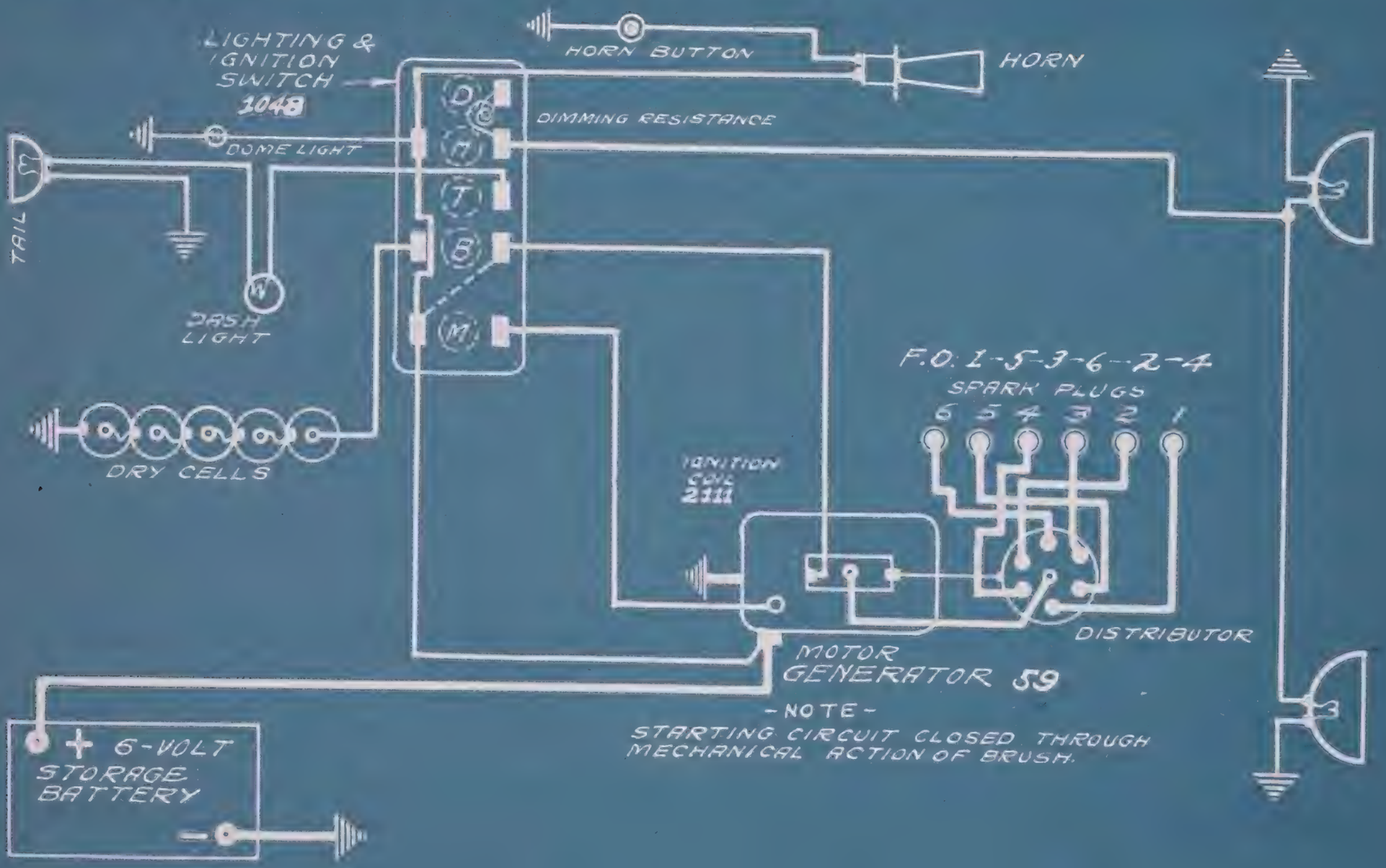


-NOTE-

STARTING CIRCUIT CLOSED THROUGH MECHANICAL ACTION OF BRUSH.

WESTCOTT 1916 U-50 & O-35

DELCO SYSTEM

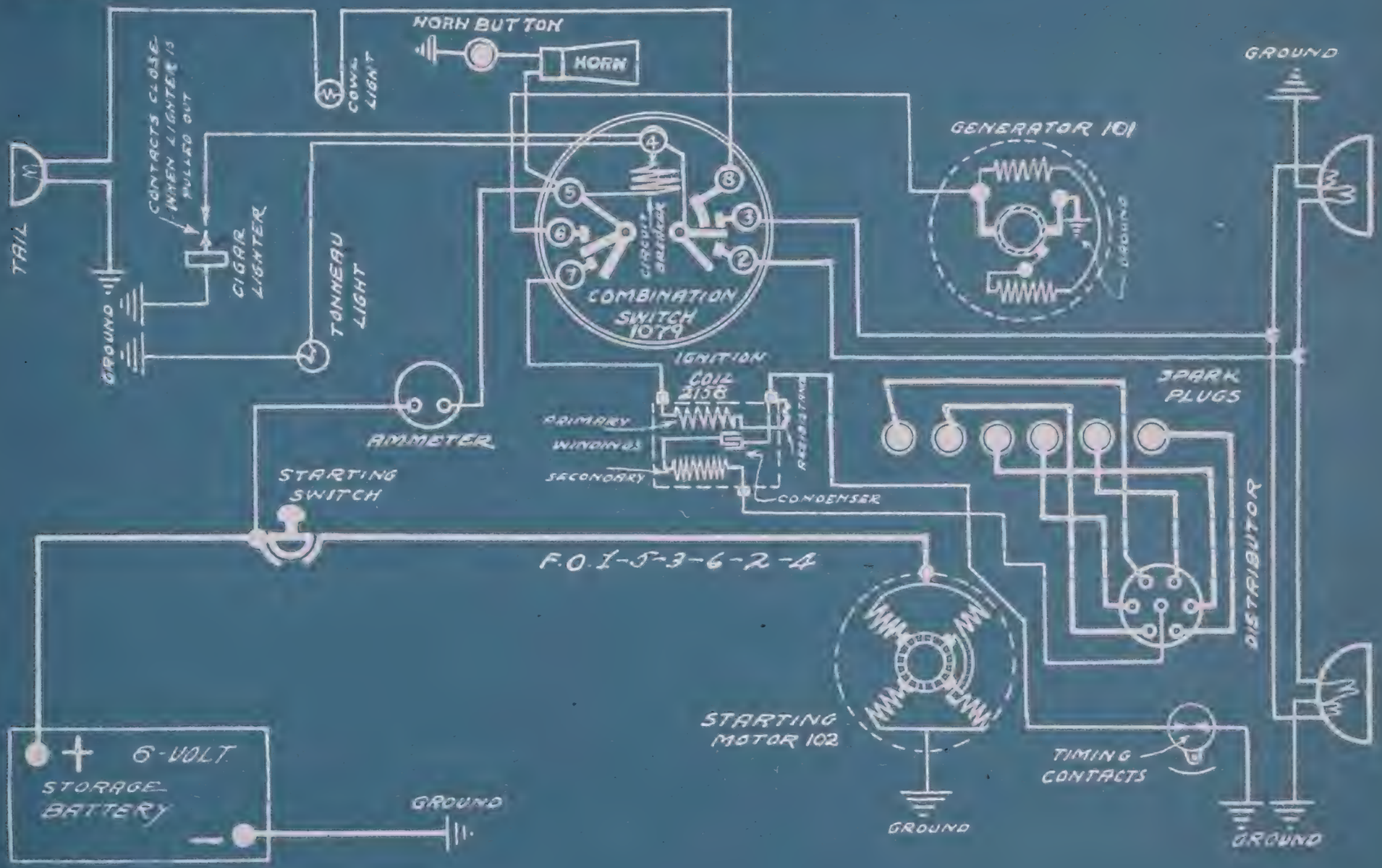


-NOTE-

STARTING CIRCUIT CLOSED THROUGH MECHANICAL ACTION OF BRUSH.

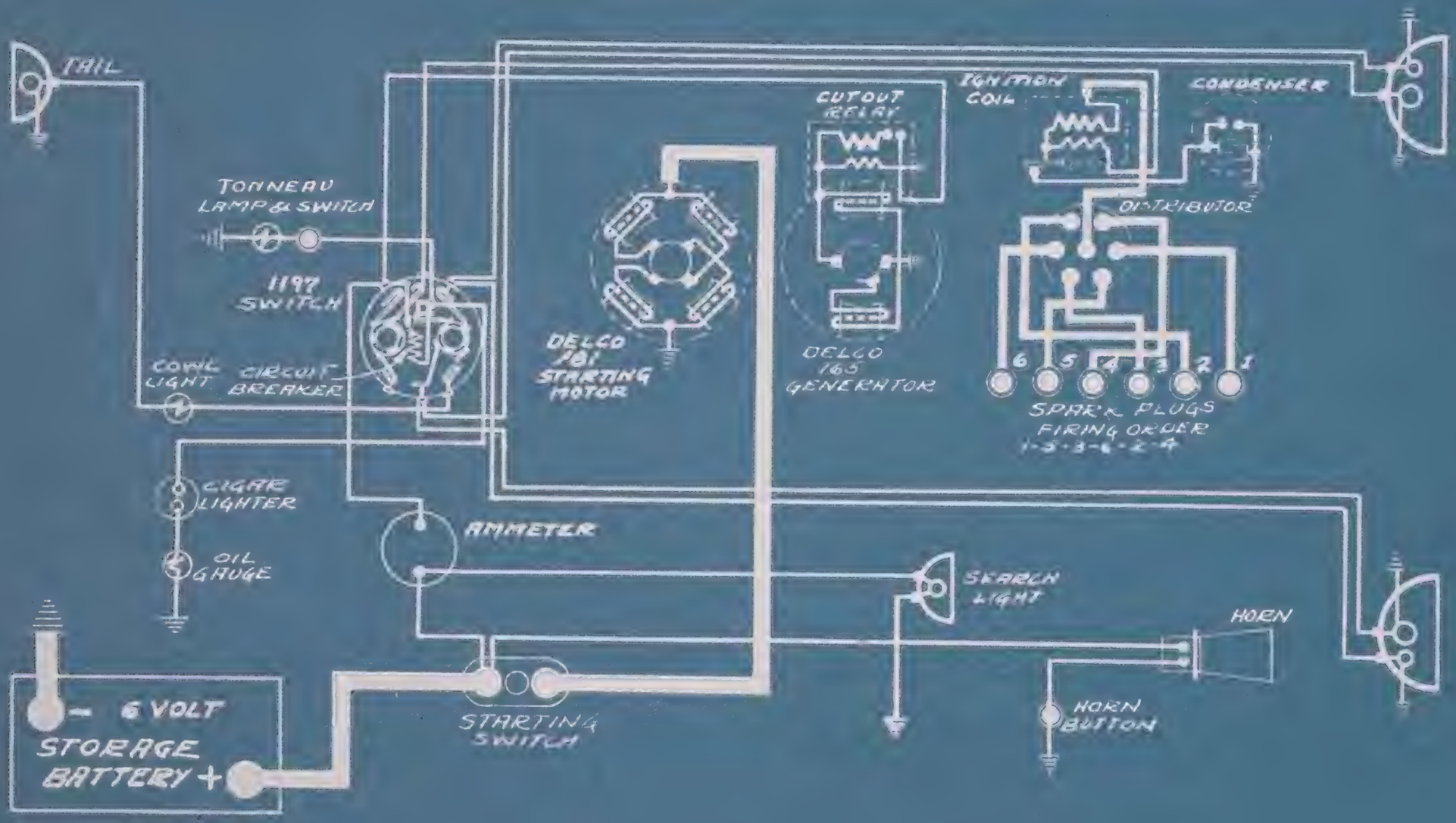
WESTCOTT 1917-1918-1919 "C48" 1920-1921

DELCO SYSTEM



WESTCOTT "B & C 38" 1919-20-21 D48 & A44 1922

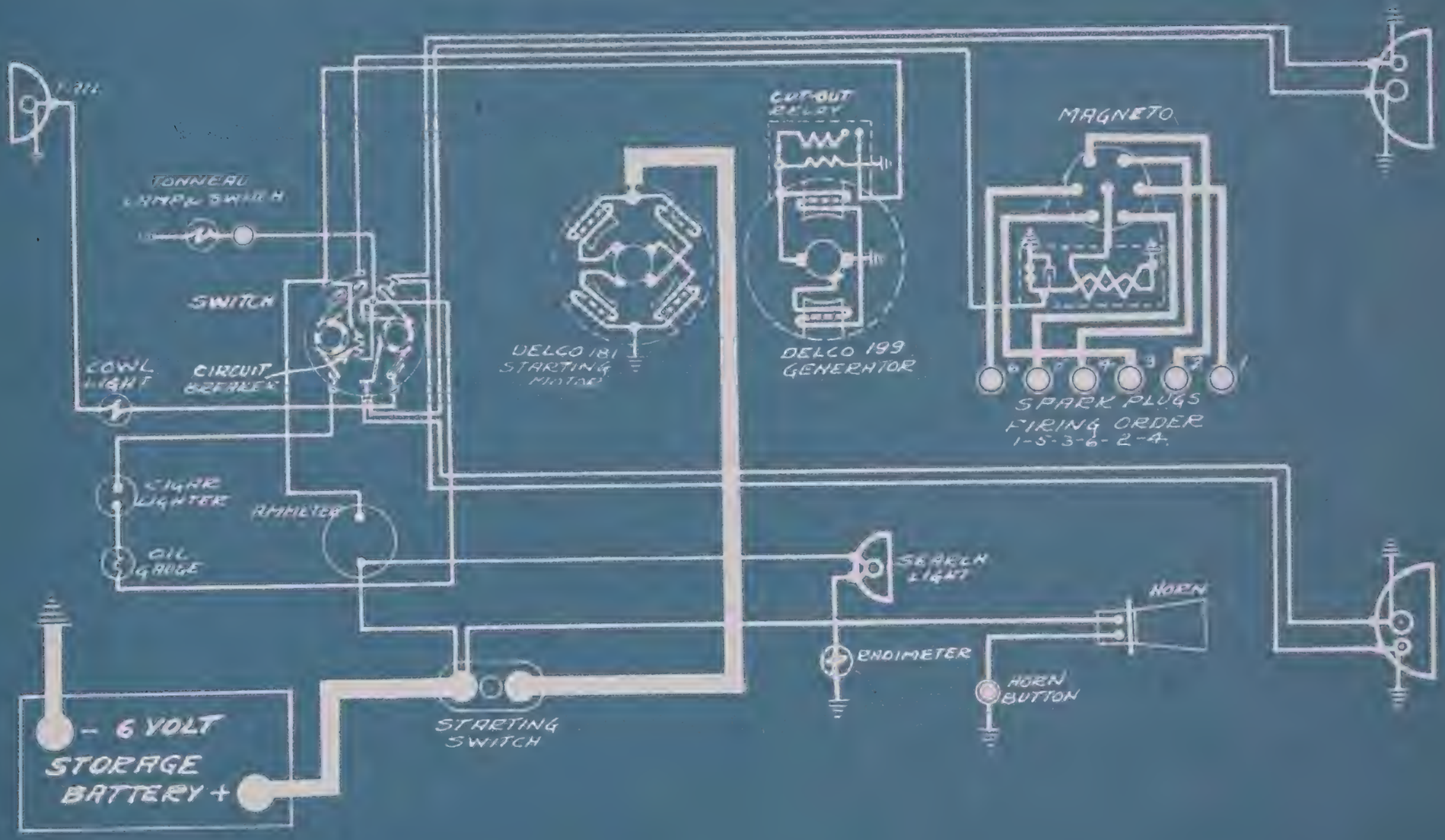
DELCO SYSTEM



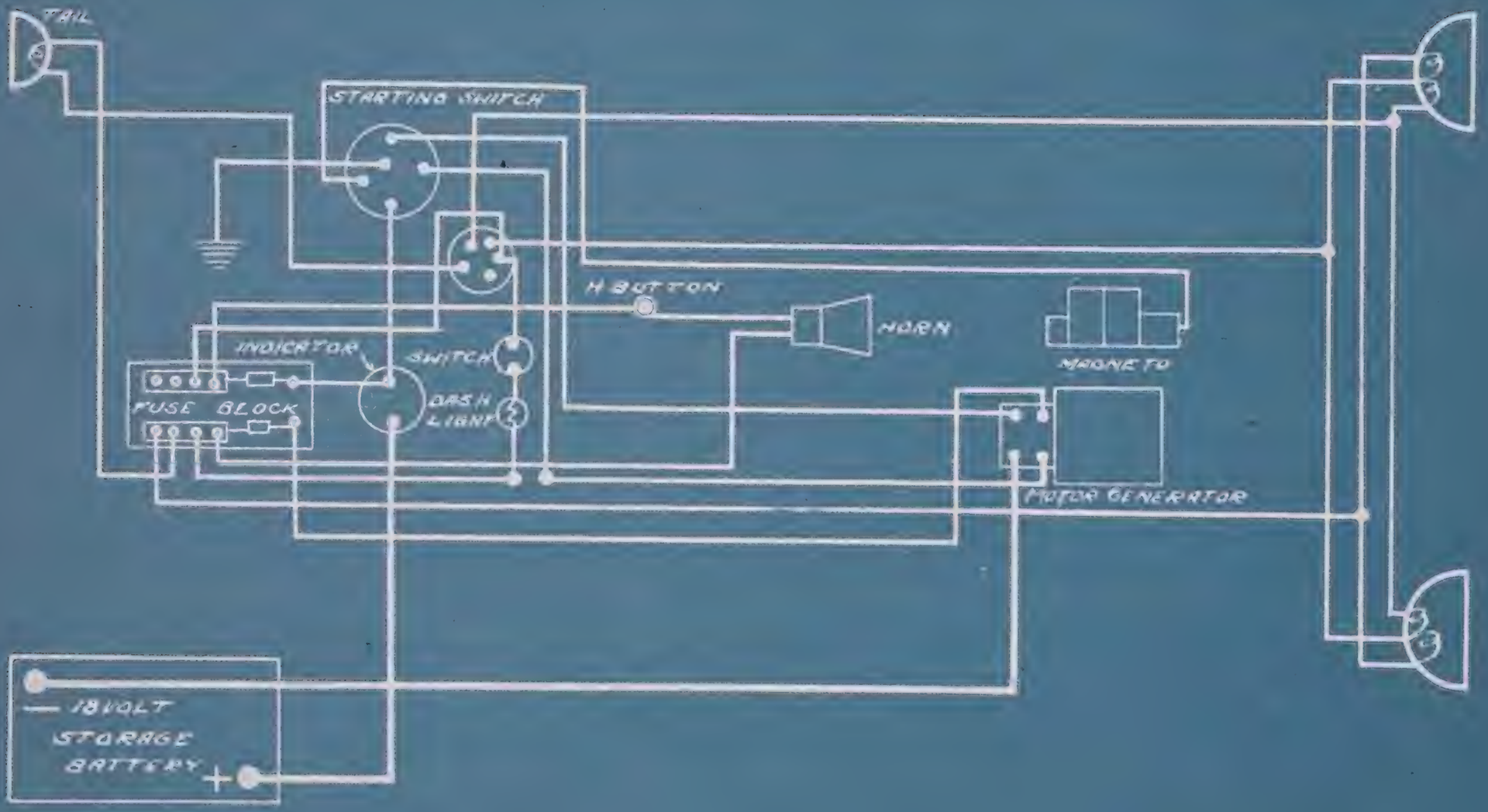
WESTCOTT "C-38" 1920-1921 "A-44" 1922

DELCO SYSTEM
BOSCH MAGNETO IGNITION

R.H. DRIVE EXPORT

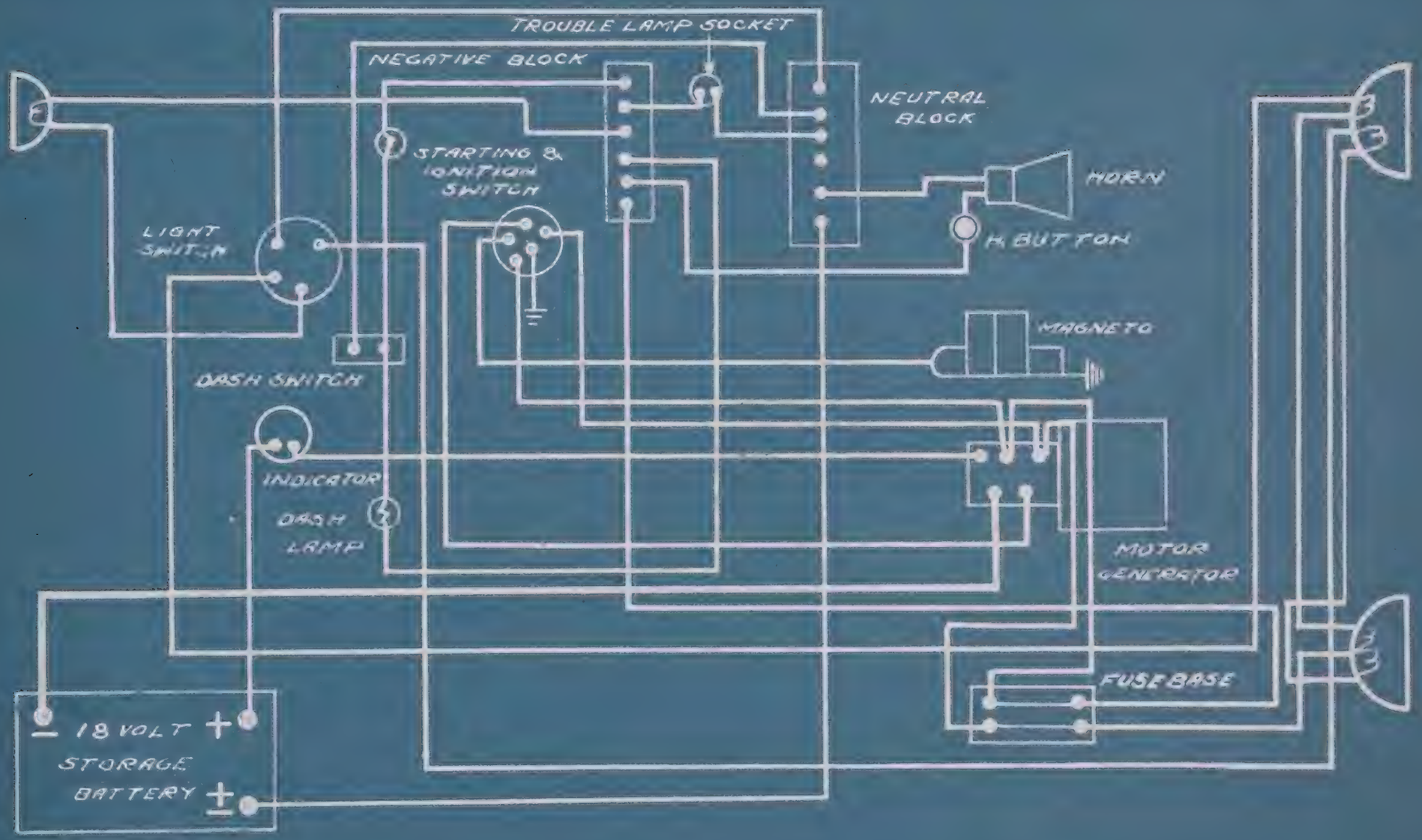


WHITE 1913
ENTZ SYSTEM



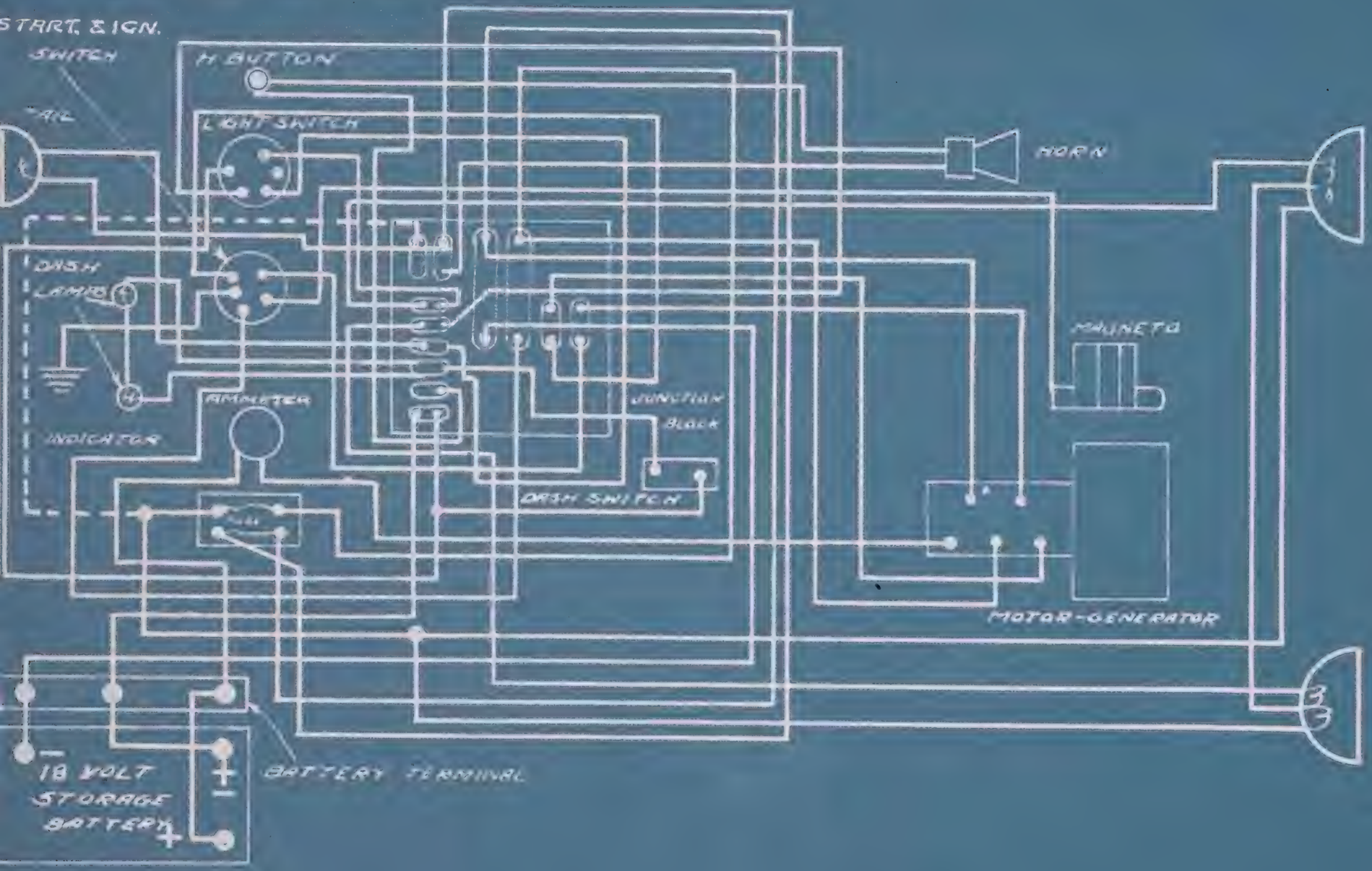
WHITE 1914 GAG

WHITE-ENTZ SYSTEM



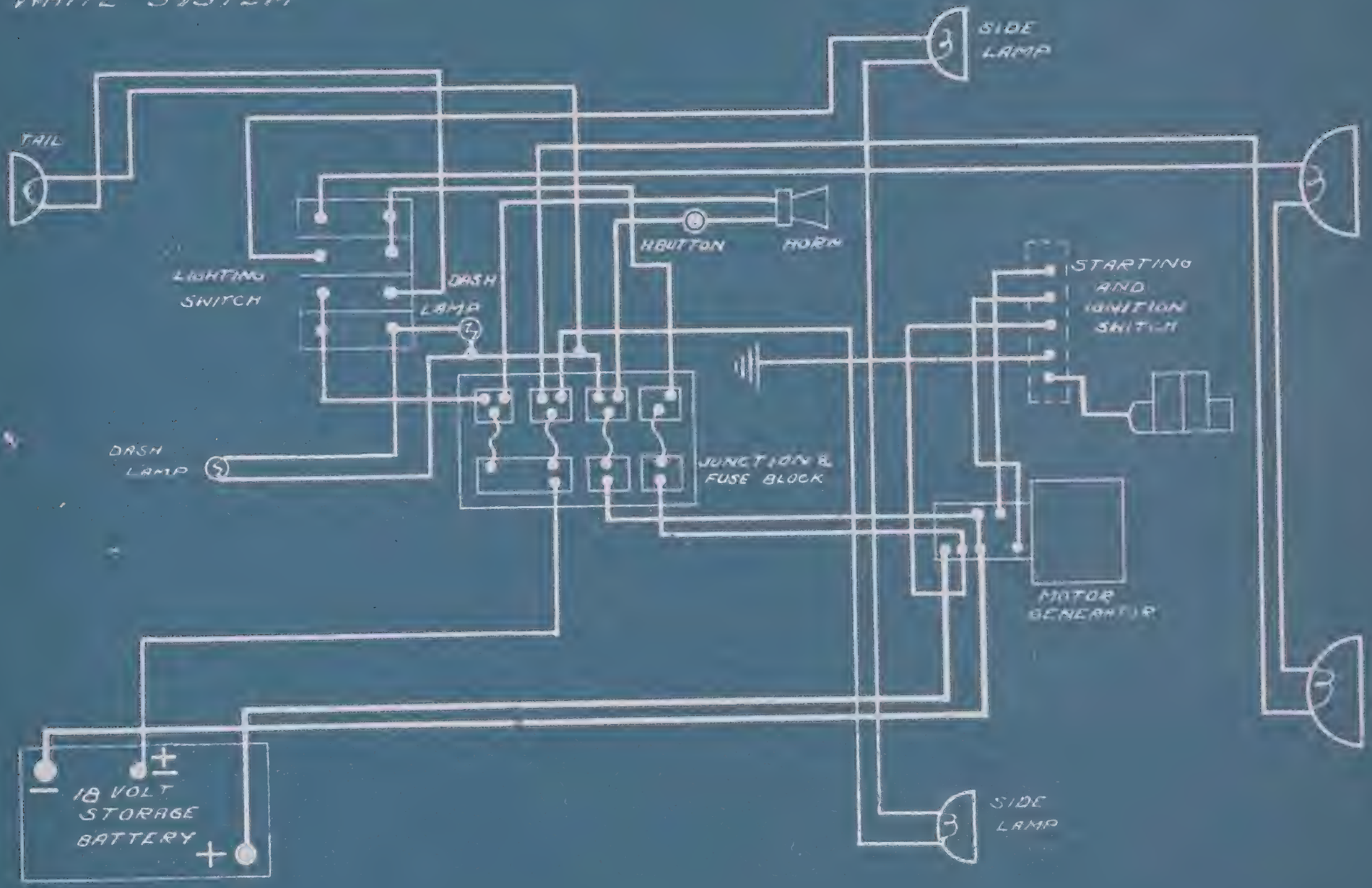
WHITE 1914 GAGR

WHITE-ENTZ SYSTEM



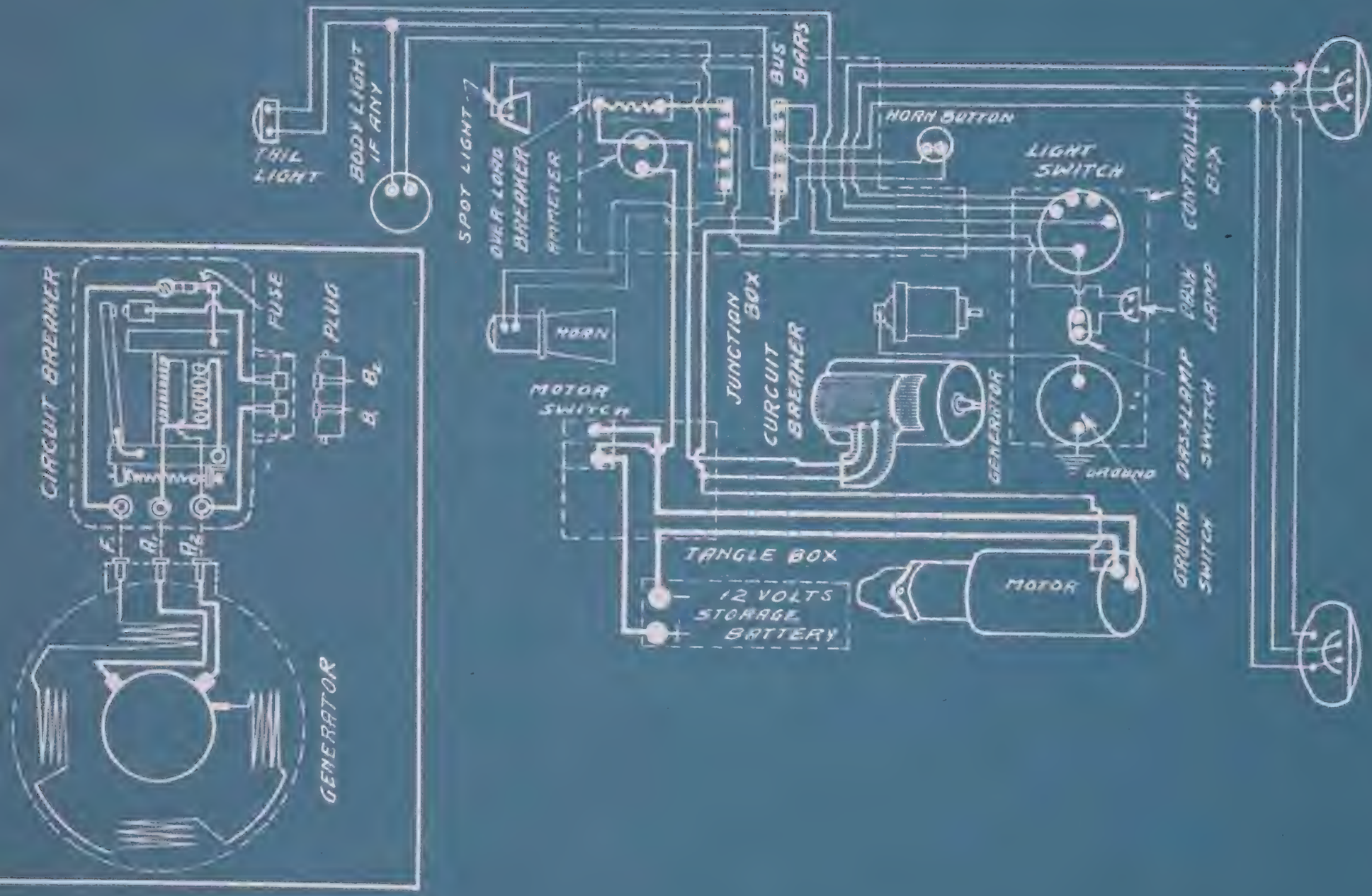
WHITE 1916-17

WHITE SYSTEM



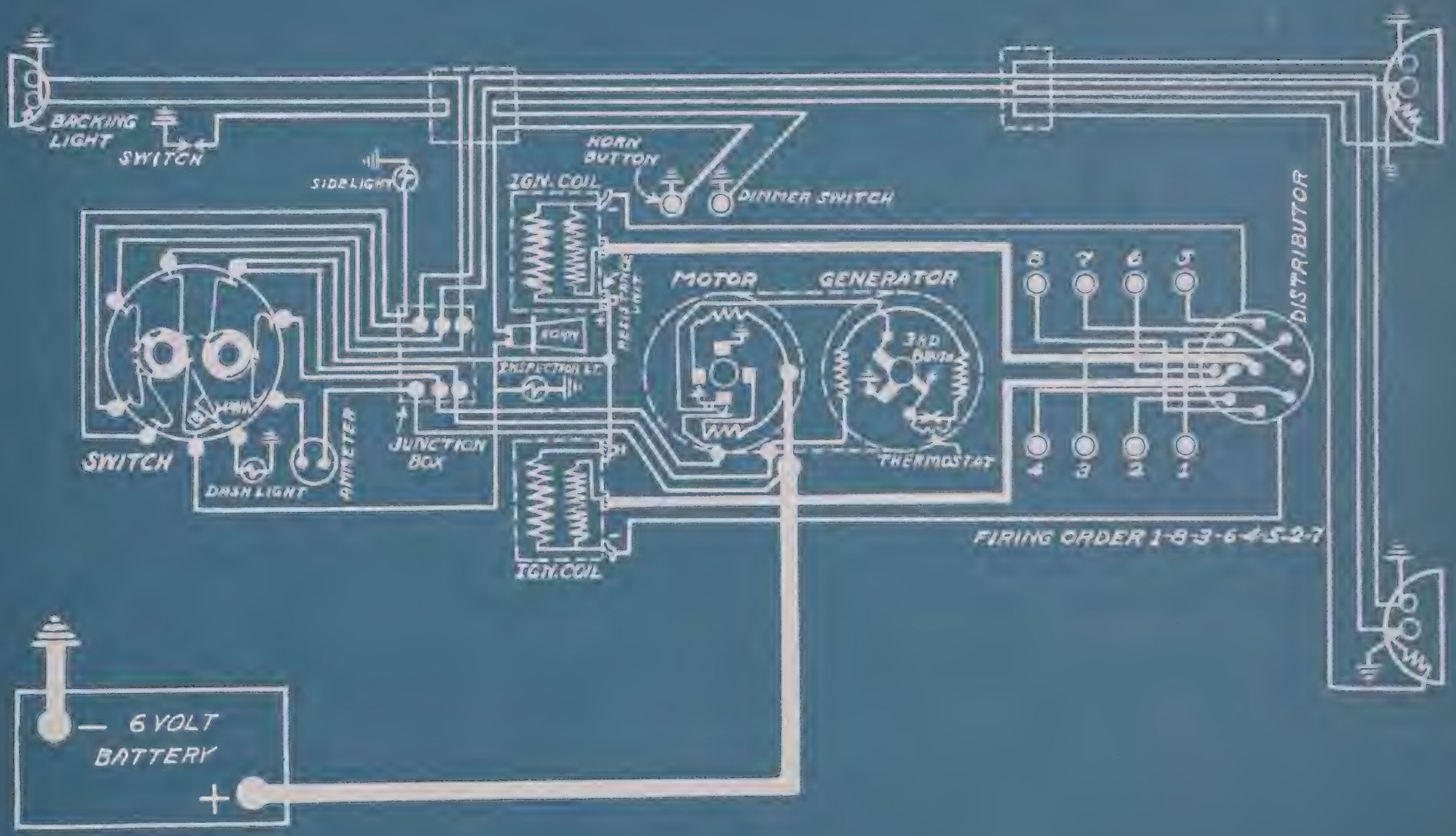
WHITE 1917-8-9 "G.M"

LEECE-NEVILLE SYSTEM



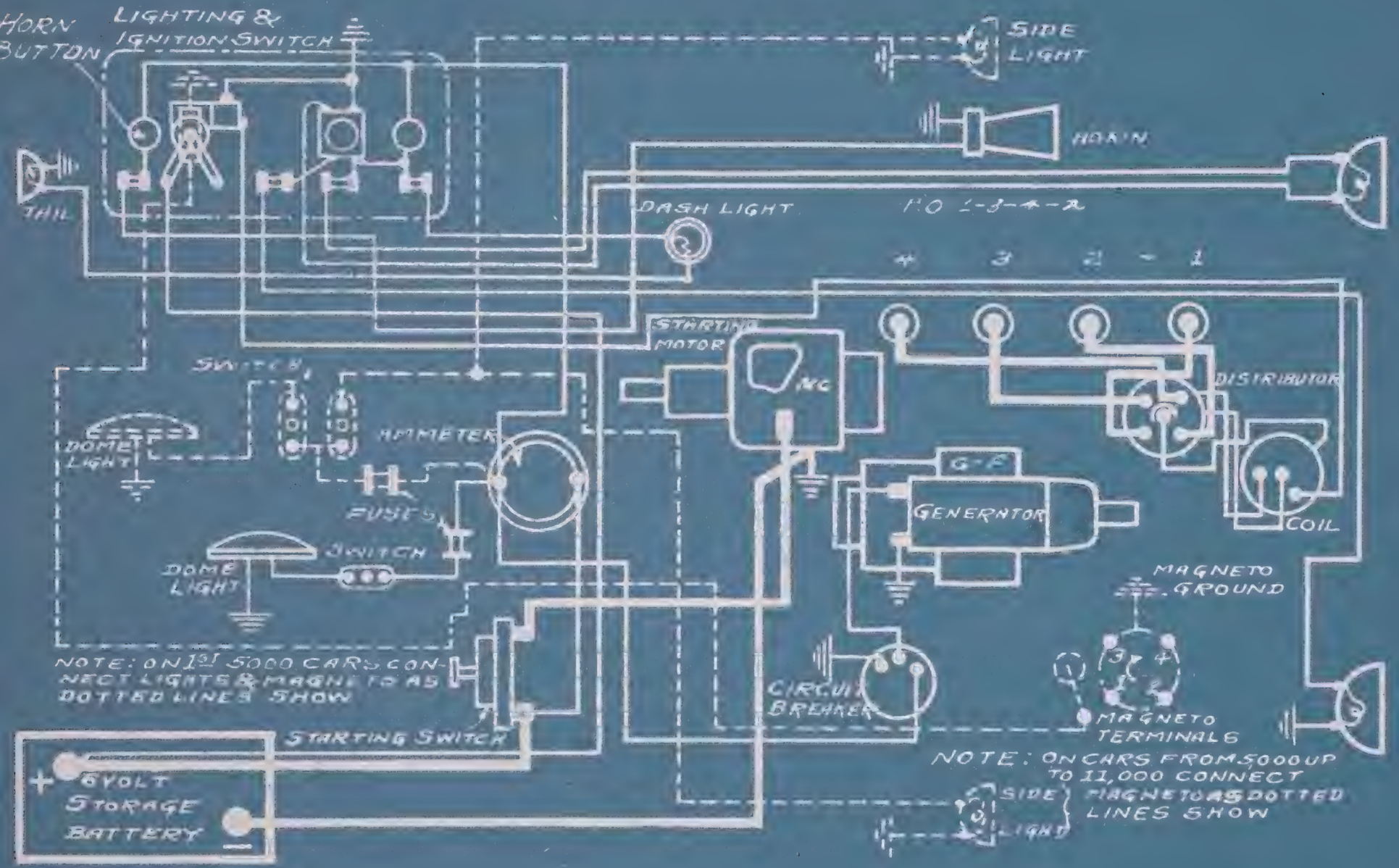
WILLS-SAINTE CLAIRE 1921-22

DELCO SYSTEM



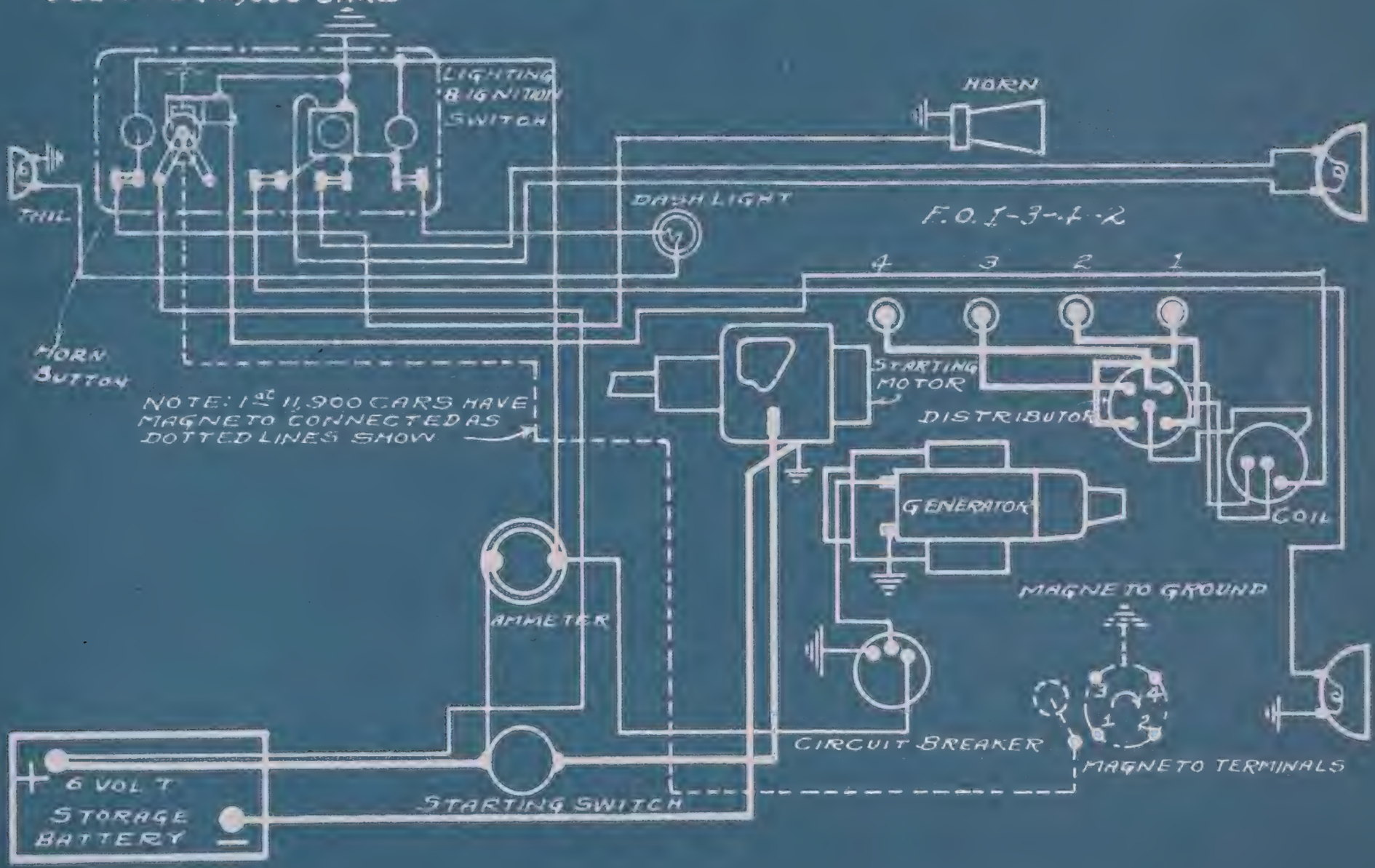
WILLYS-KNIGHT 1916 84-C

AUTOLITE SYSTEM



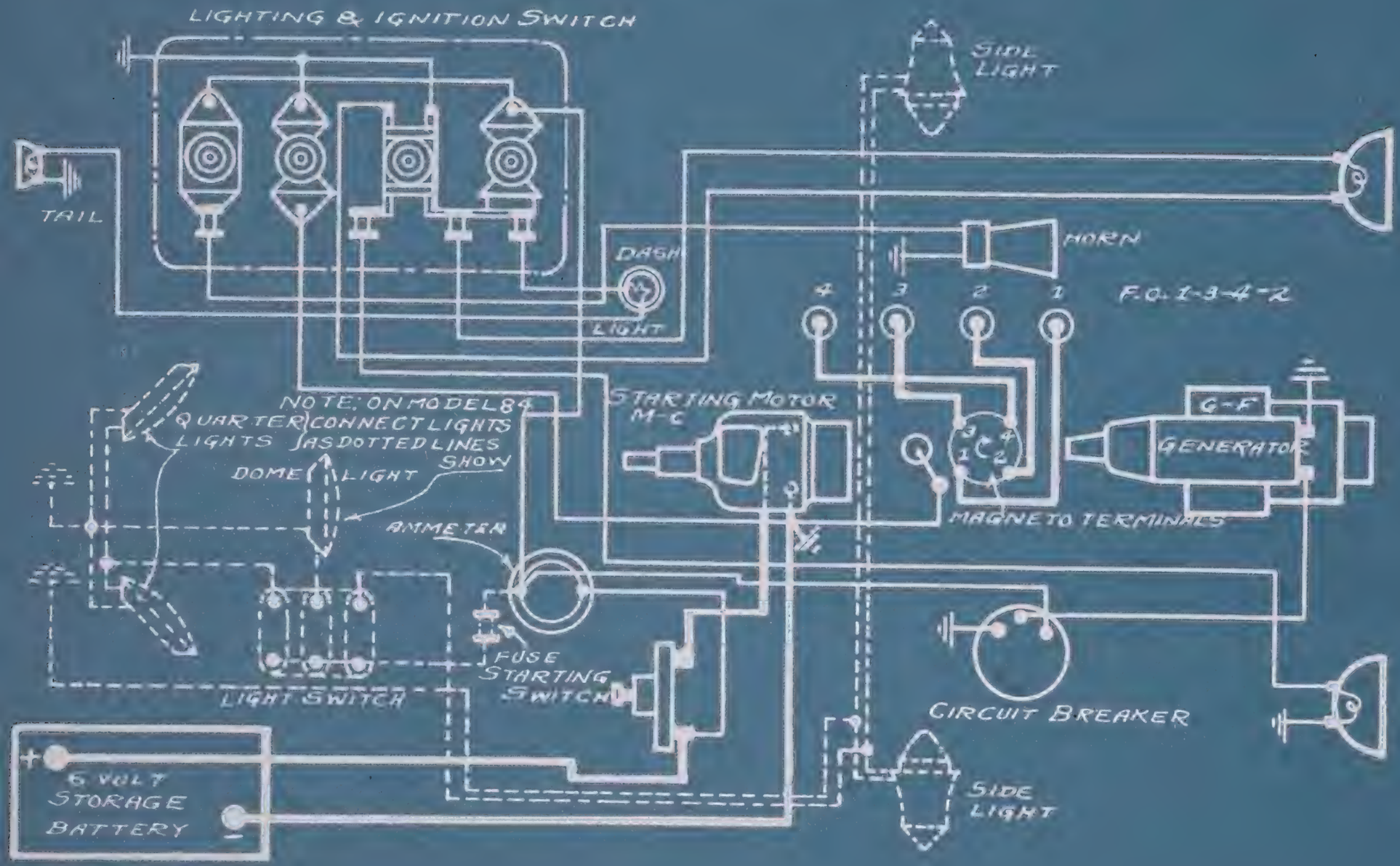
WILLYS-KNIGHT 1916 84-R

AUTOLITE SYSTEM
USE AFTER 11,900 CARS

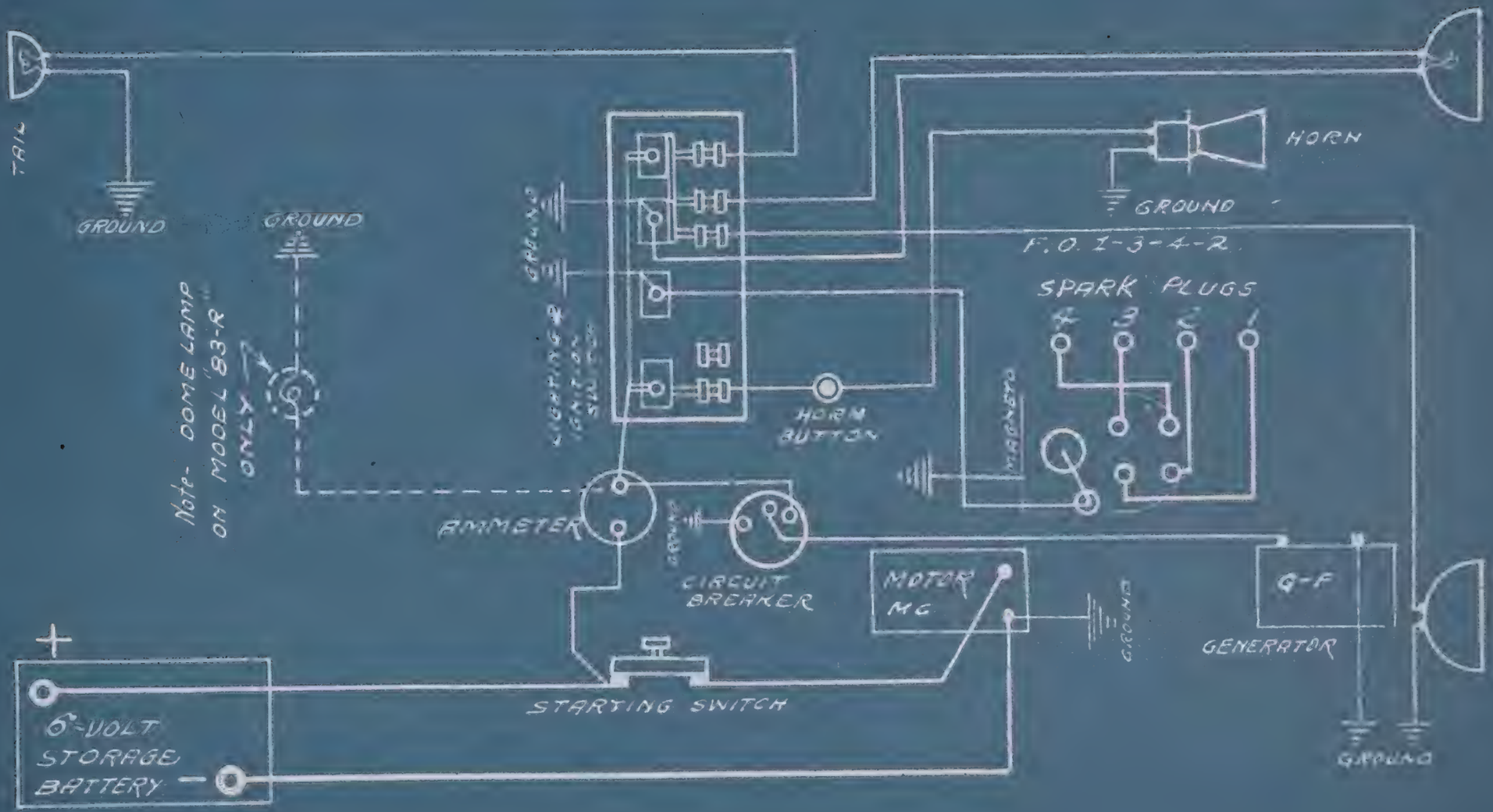


WILLYS-KNIGHT 1916 84&84-T

AUTOLITE SYSTEM

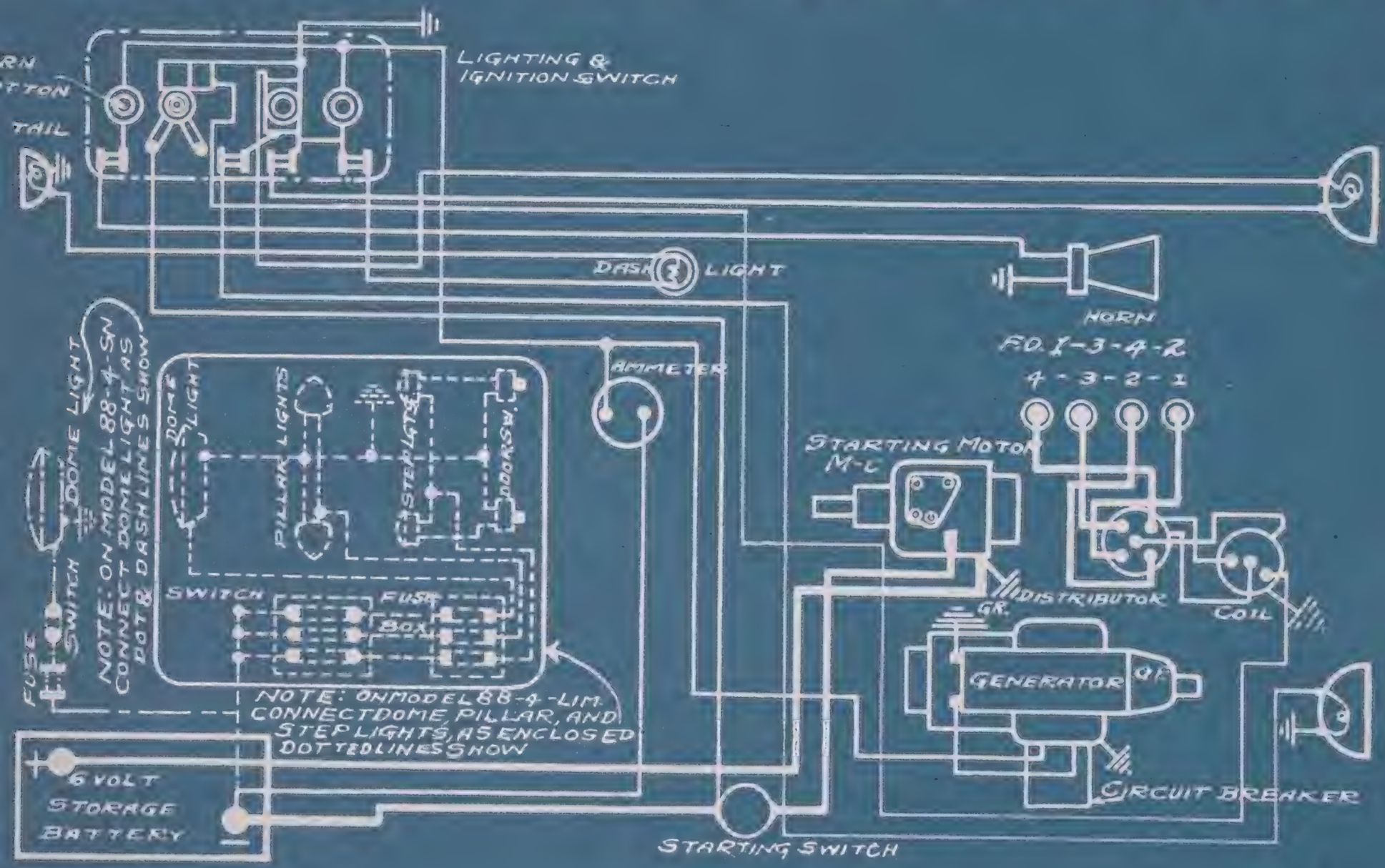


WILLYS-KNIGHT "84T" "84BT" 1916
AUTOLITE SYSTEM



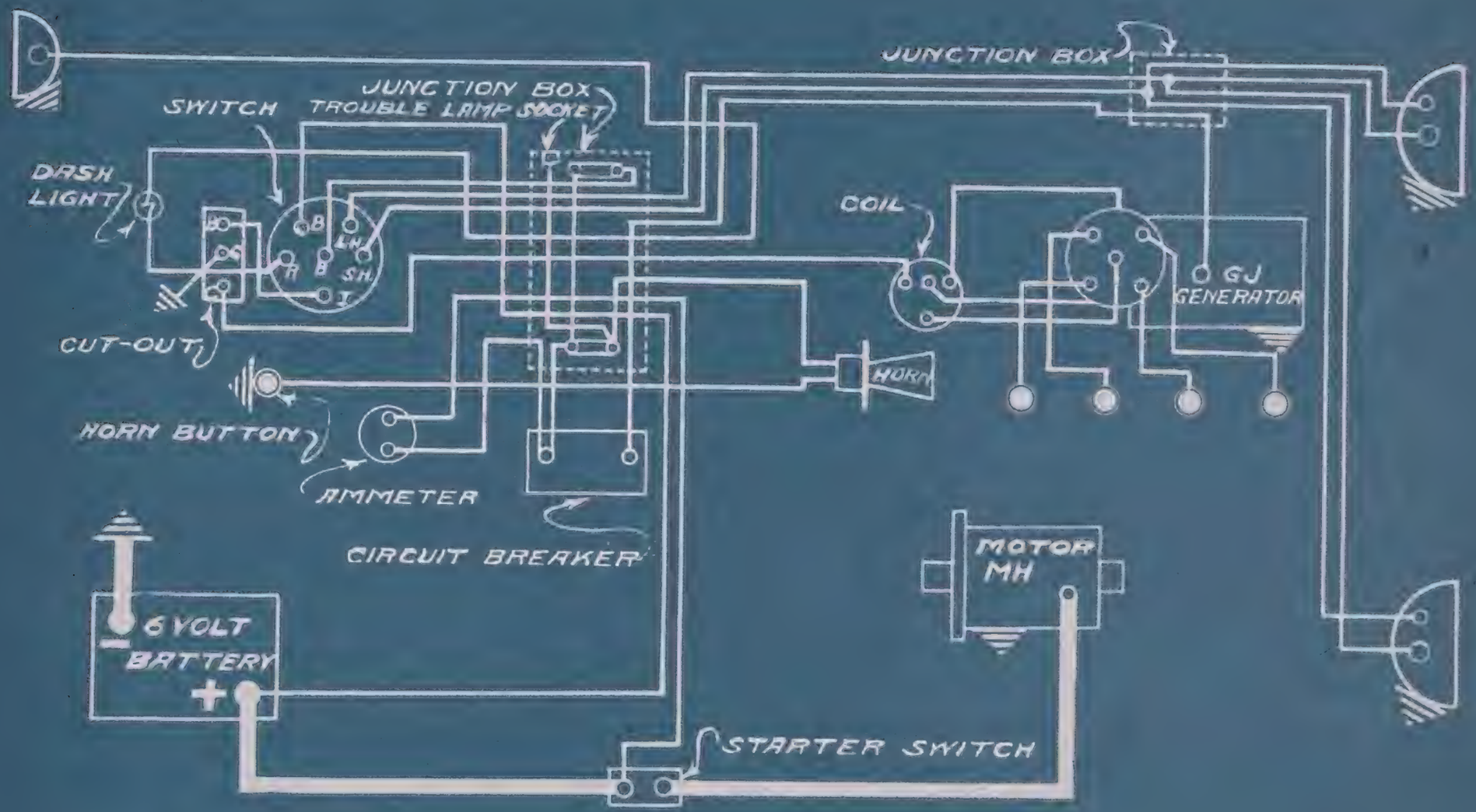
WILLYS-KNIGHT 1917&18 88-4T 88-4-LIM. & 88-4-SN.

AUTOLITE SYSTEM



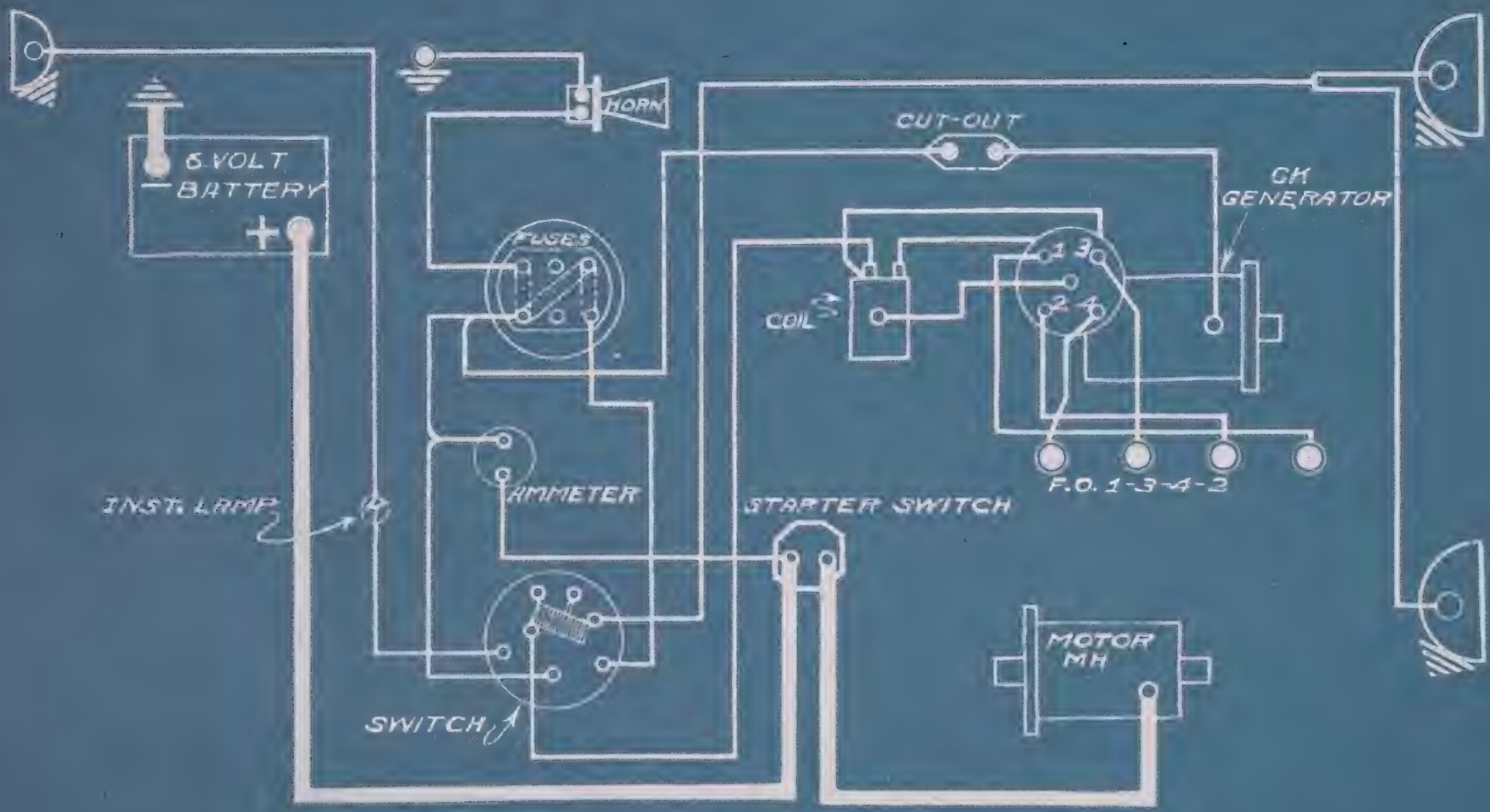
WILLYS-KNIGHT "20" 1920-21

AUTO-LITE SYSTEM
CONN. IGN.



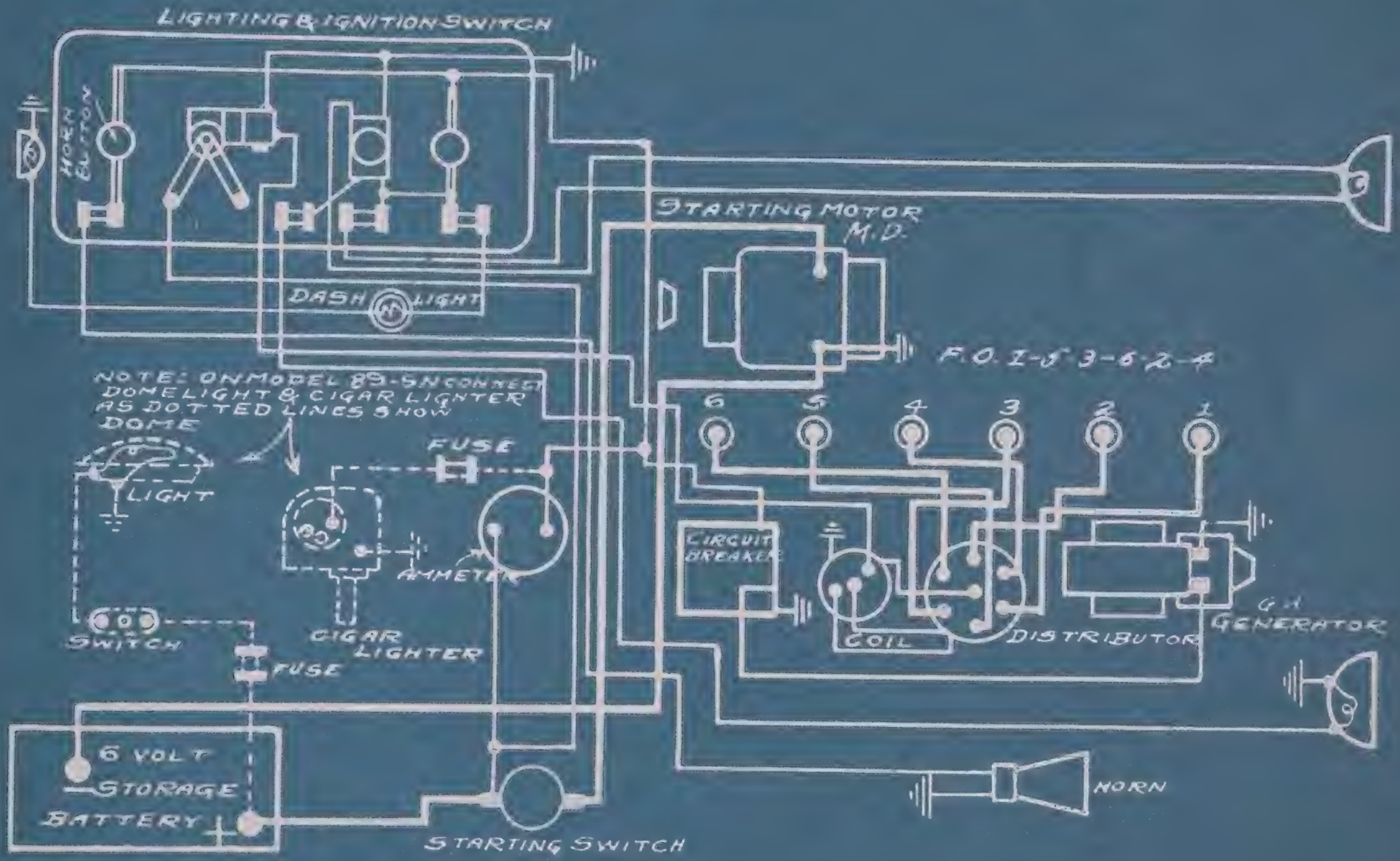
WILLYS-KNIGHT "20" 1921-22

AUTO-LITE SYSTEM

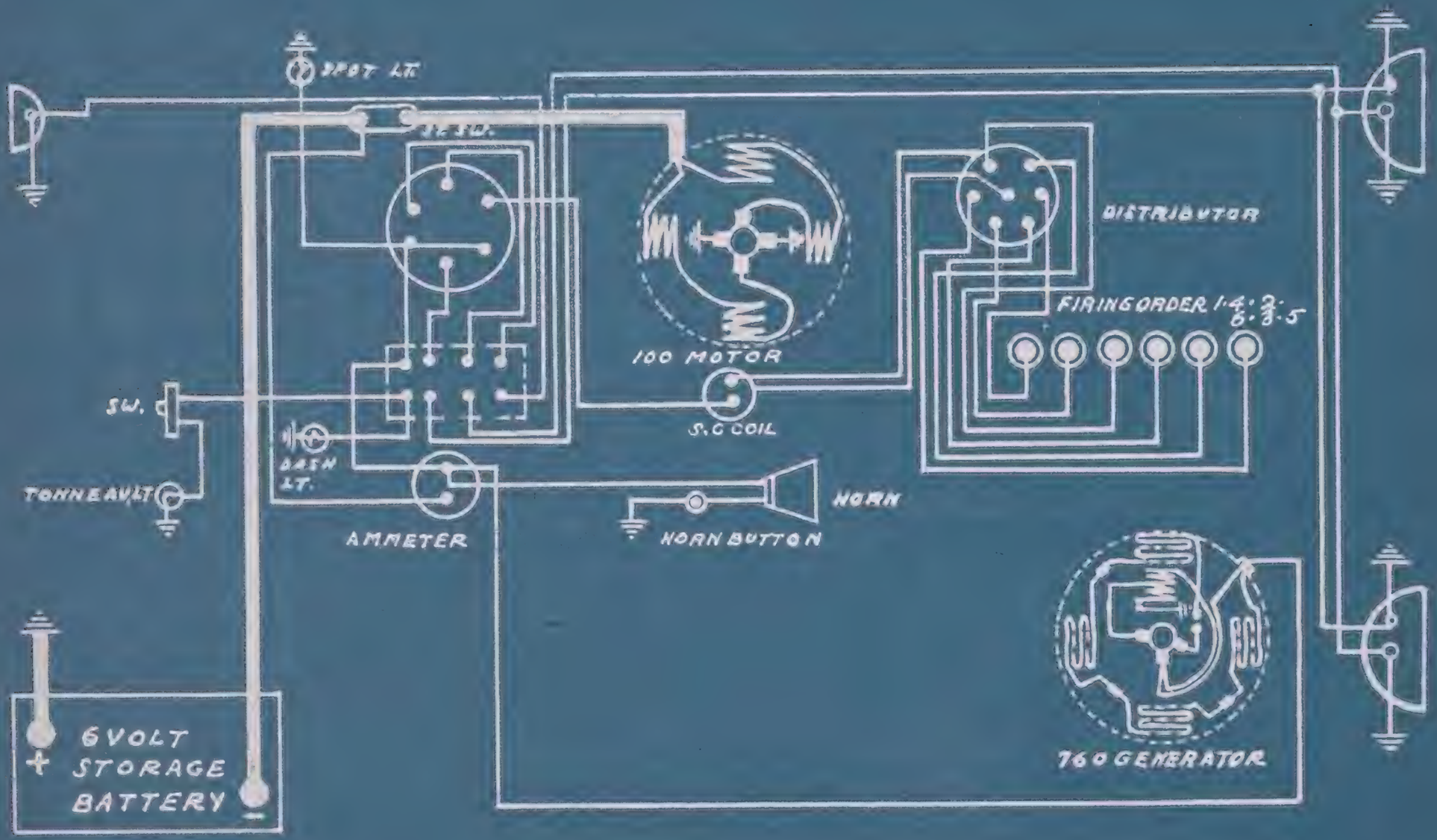


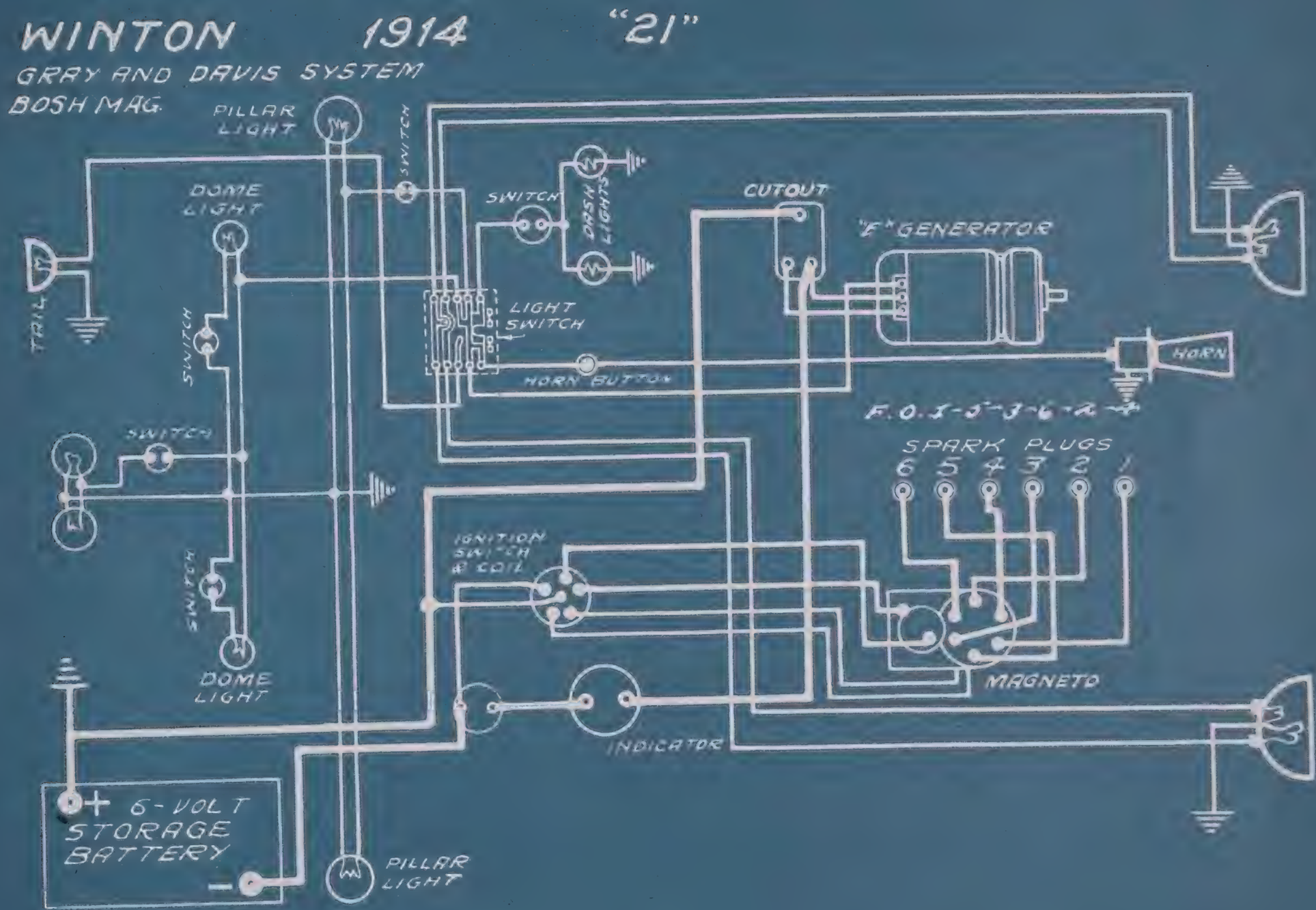
WILLYS-'SIX' 1918 -89-CLR-SN&T-

AUTOLITE SYSTEM -CONN. IGN.



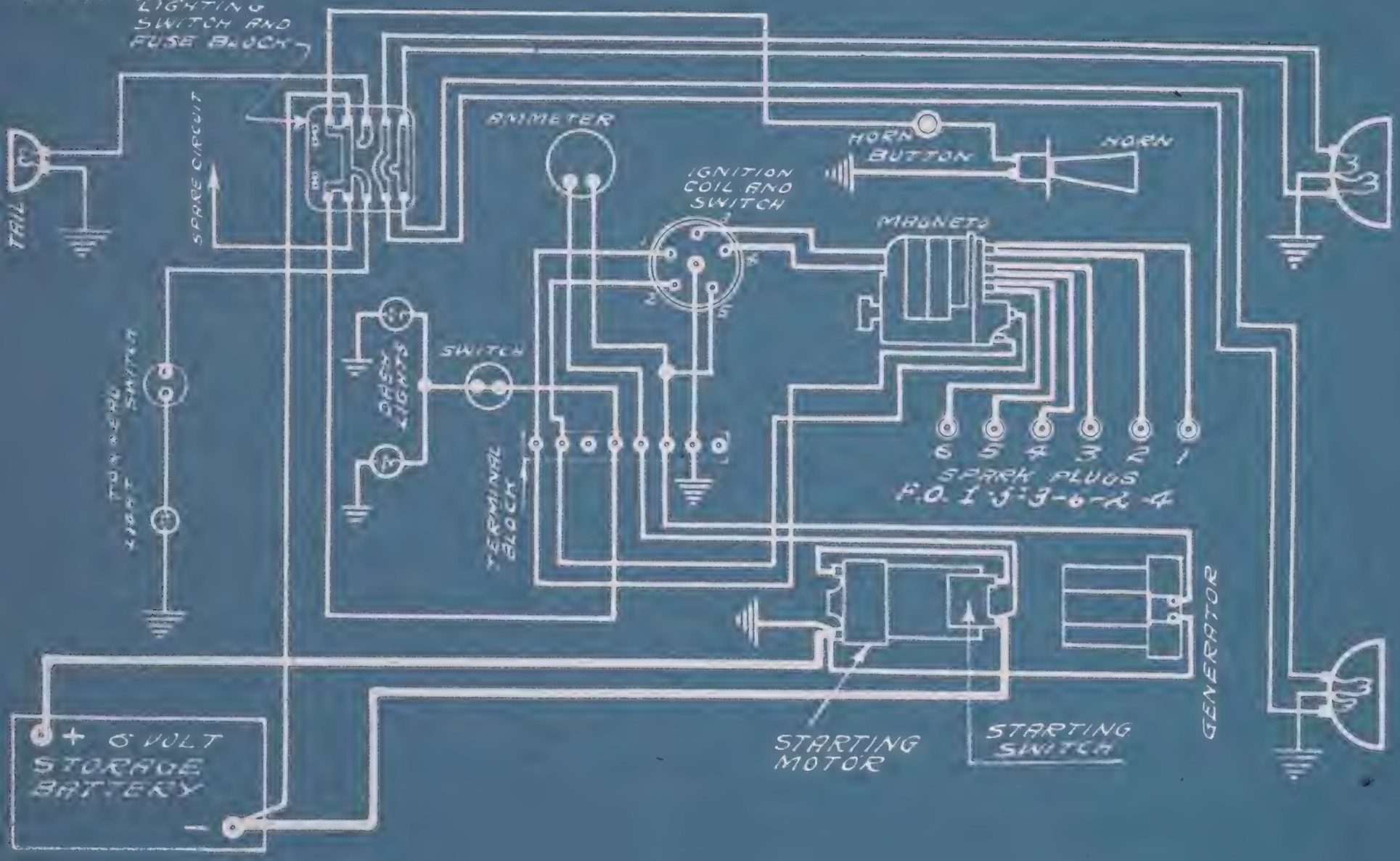
WINTHER "61" 1920-1921
WESTINGHOUSE SYSTEM

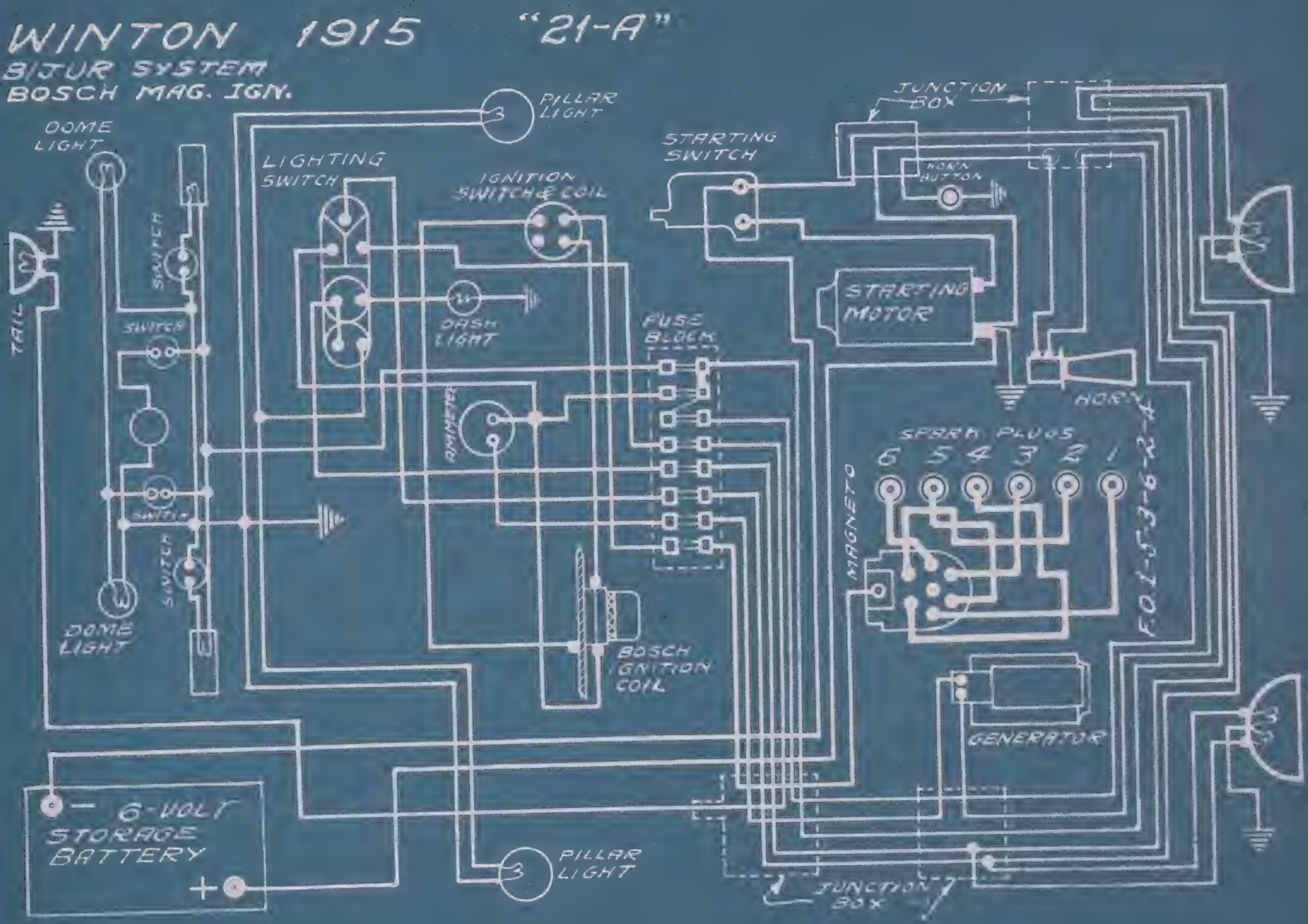



WINTON 1914 "21"
GRAY AND DAVIS SYSTEM
BOSH MAG.
PILLAR LIGHT
SWITCH
DOME LIGHT
TAIL
SWITCH
SWITCH
SWITCH
DOME LIGHT
SWITCH
DASH LIGHTS
LIGHT SWITCH
HORN BUTTON
CUTOUT
"E" GENERATOR
HORN
F.O.1-3-5-6-4-2
SPARK PLUGS
6 5 4 3 2 1
IGNITION SWITCH & COIL
MAGNETO
INDICATOR
+ 6-VOLT STORAGE BATTERY -
PILLAR LIGHT

WINTON 1915 "21"

BIJUR SYSTEM
BOSH MAG



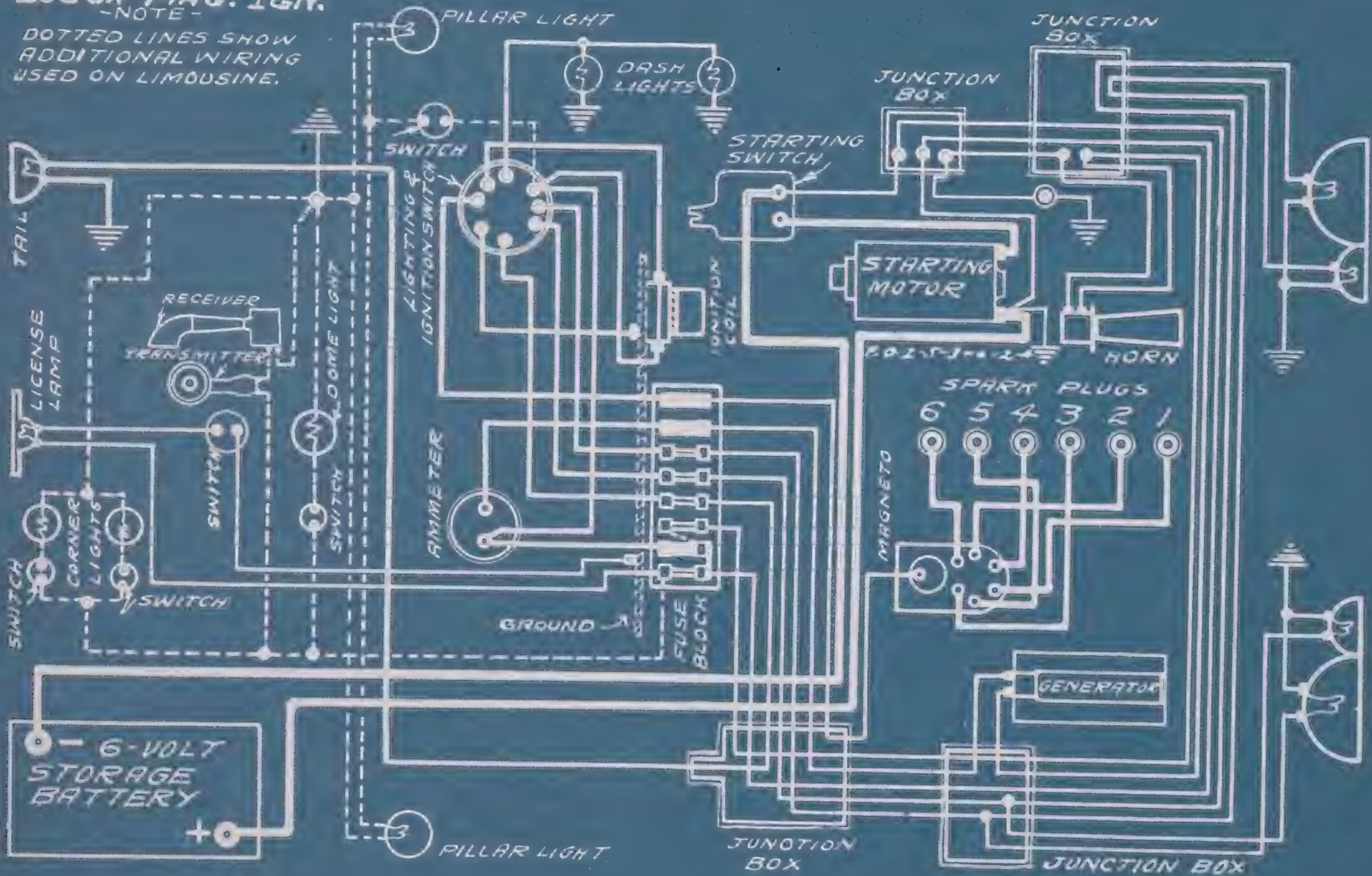

WINTON 1915 "21-A"
BIJUR SYSTEM
BOSCH MAG. IGN.
DOME LIGHT
PILLAR LIGHT
LIGHTING SWITCH
IGNITION SWITCH & COIL
STARTING SWITCH
JUNCTION BOX
HORN BUTTON
TAIL
SWITCH
SWITCH
DASH LIGHT
STARTING MOTOR
FUSE BLOCK
AMMETER
SPARK PLUGS
6 5 4 3 2 1
MAGNETO
HORN
SWITCH
SWITCH
SWITCH
DOME LIGHT
BOSCH IGNITION COIL
GENERATOR
6-VOLT STORAGE BATTERY
PILLAR LIGHT
JUNCTION BOX

WINTON 1916 "22"

BIJUR SYSTEM
BOSCH MAG. IGN.

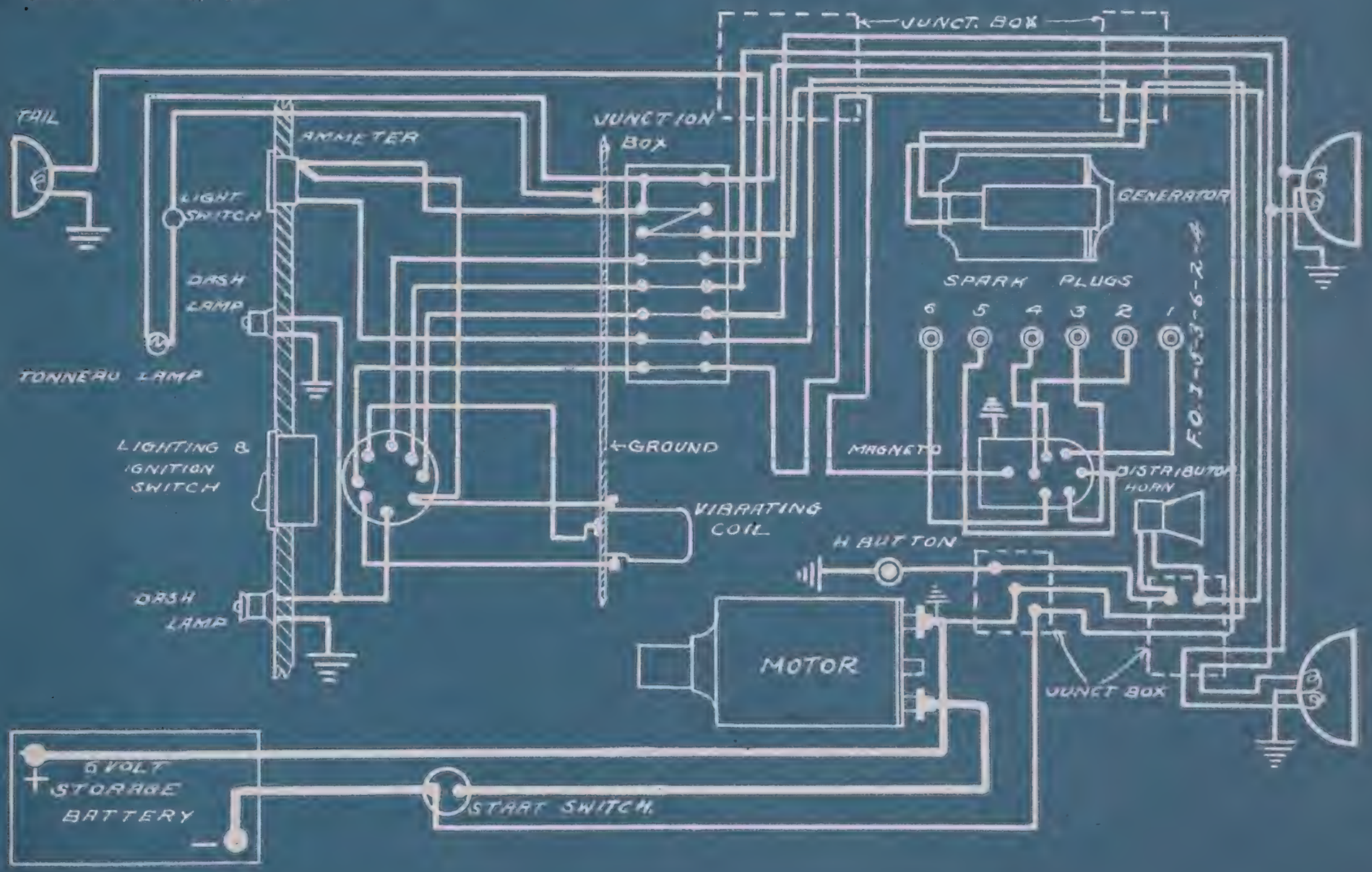
-NOTE-

DOTTED LINES SHOW ADDITIONAL WIRING USED ON LIMOUSINE.



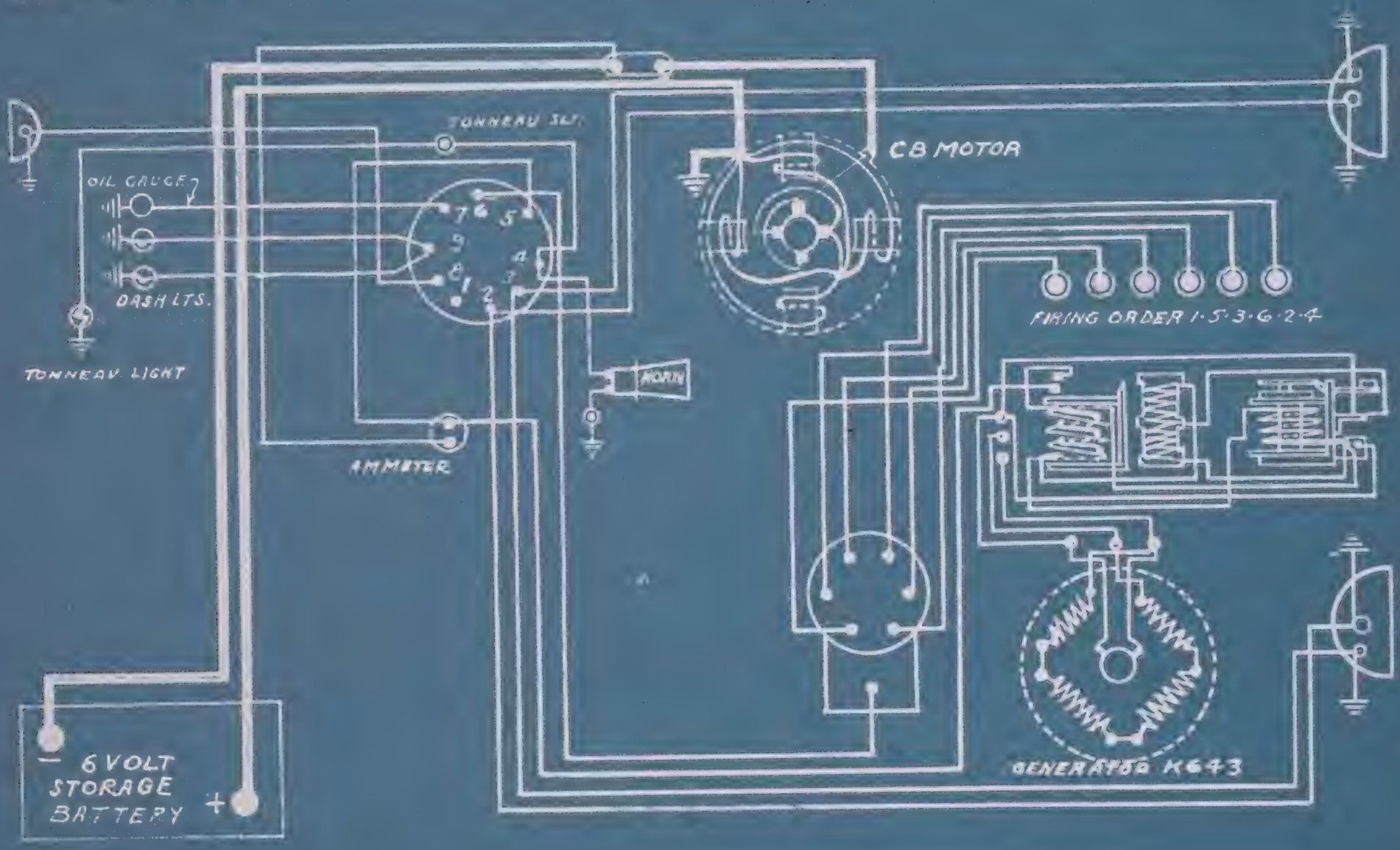
WINTON MODEL 22 1917-1918-19 "24" 1920

BIJUR SYSTEM
BOSCH MAG. IGN.



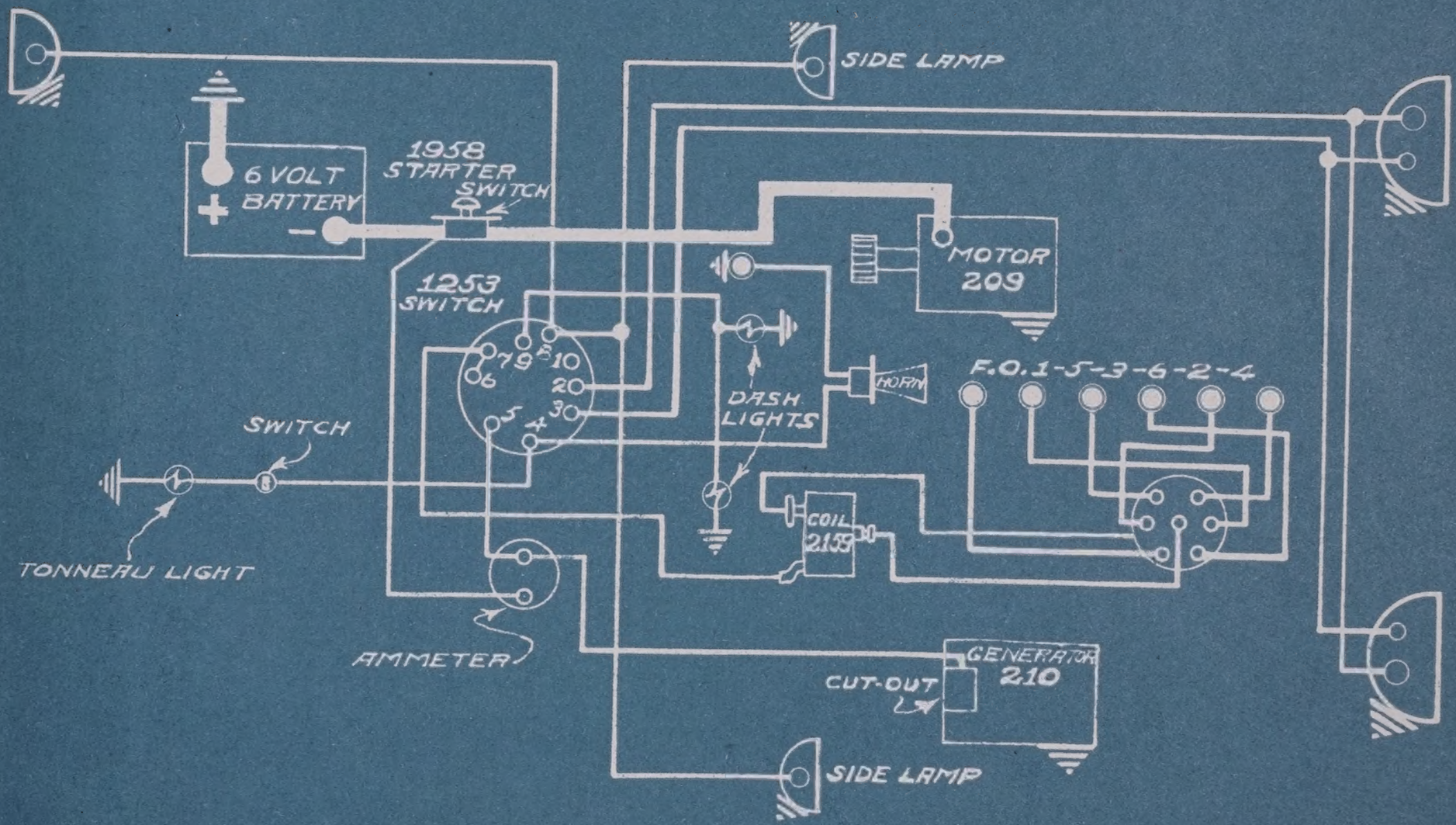
WINTON "25" 1920-1921

BIJUR SYSTEM
BOSCH MAG.



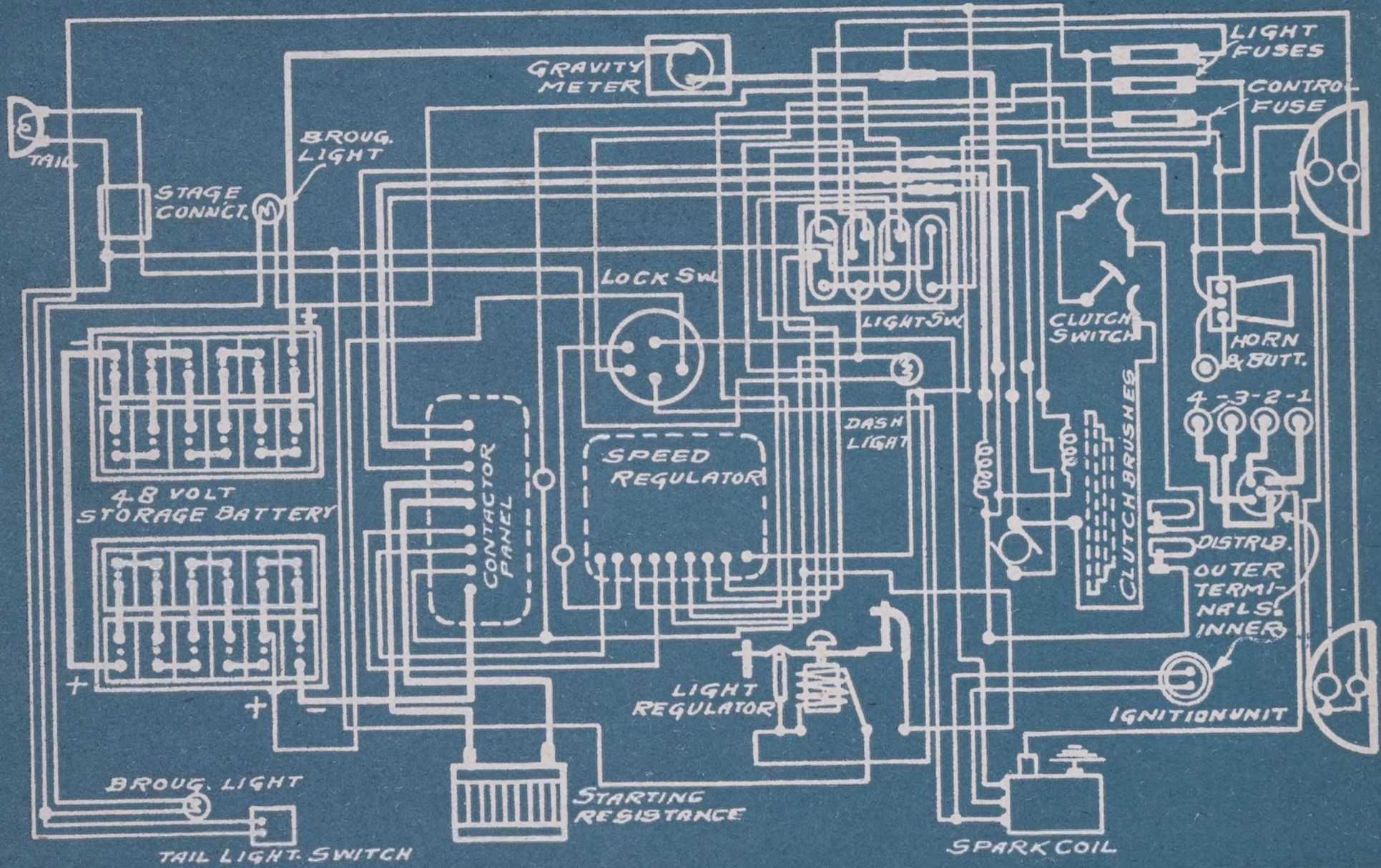
WINTON "40" 1922

DELCO SYSTEM



WOODS DUAL-POWER 1918 "1700"

WOODS SYSTEM



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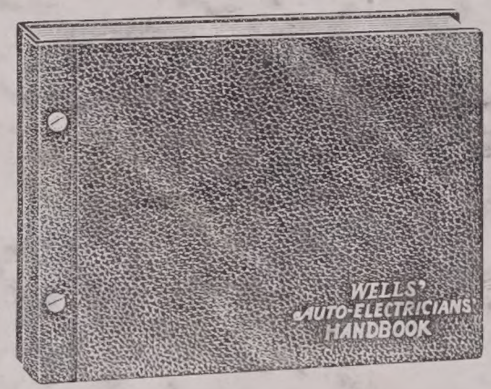

Performance Under Exact Testing Conditions.

Construction of Each Part.

Terminals at Which Test Motors are Connected and Terminals Between Which Field Coils Are Tested.

Exact Adjustments, Settings and Gaps for all Regulators and Cut-Outs.

THE Standard Shop Authority on Testing, Performance and Adjustments of Starting and Lighting Systems. Large, Clear, Accurate blueprint diagrams of internal connections of each unit—drawn just as the machine is built. All the working data that the practical man wants.

Charge Rate: Normal performance under definite conditions, showing amperage, voltage and speed.

Generator Construction: Field windings, poles, coils, brush positions, commutator and armature construction.

Testing Terminals: Points at which the ammeter and voltmeter should be attached for performance tests.

Field Terminals: Points between which the various field coils may be tested.

Regulation: Location of output adjustments and methods of changing the charge rate.

Cut-Out: Closing and opening speeds, voltages and amperages together with the method of adjusting both gaps and spring tension.

Starter: Construction of motor, the cranking performance in speed, amperage, voltage and torque.

Make and model of generator, motor, motor-generator, and ignition unit; also which side of the battery is grounded.

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